ASCE 1971

COMBINED INDEX

AMERICAN SOCIETY OF CIVIL ENGINEERS FOUNDED 1852

XUM

ASCE 1971

Journals (Proceedings)
Civil Engineering,
Transactions,
Manuals and Reports,
and
Miscellaneous Publications

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INDEX TO 1971 ASCE PUBLICATIONS

FOREWORD

The 1971 index, which provides a guide to information published by ASCE during 1971, combines material appearing in the Journals (Proceedings Vol. 97), CIVIL ENGINEERING (Vol. 41), Transactions (Vol. 136), Manuals and Reports, and Miscellaneous Publications.

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. The Water Resources Thesaurus of the U.S. Department of the Interior and the Micro-Thesaurus compiled by the Soil Mechanics and Foundations Division of ASCE were also used.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each Journal and to the rear of CIVIL ENGINEERING. The underlined and bold key words on the information-retrieval cards are the words used as index terms in the 1971 Index.

The name index contains entries indexed under the names of authors, co-authors, discussers, chairmen of committees preparing reports, and deceased members whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings Paper (under the first name if more than one author) is supplemented by information concerning the discussion, closure, and Transactions digest, if applicable. To find what discussion, if any, there has been for a Proceedings Paper located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, errata (if applicable), and Transactions citation appears in the name index. The subject entry contains a citation to the original paper and the Transactions reference.

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Typical abbreviations used herein are:

Dsc for discussion
Clo for closing discussion
Corr for corrections
Err for errata
Chmn for Chairman of a committee submitting a report
TR for Transactions
TN for Technical Note

In 1971 the American Society of Civil Engineers published Manual and Report on Engineering Practice No. 52—Guide for Design of Steel Transmission Towers, and Manual and Report of Engineering Practice No. 53—Criteria for Maintenance of Multilane Highways. Cost Control and Accounting for Civil Engineers, Manual and Report No. 33, was revised in 1971. These publications have also been indexed under appropriate key words.

Items indexed from ASCE Miscellaneous Publications have the following symbols in the references:

1. NSCD—National Specialty Conference on Disinfection, July 8-10, 1970
2. ABS—Conference on Application of Behavioral Sciences to Environmental Design, May 18-20, 1970
3. 4PCSM—Fourth Panamerican Conference on Soil Mechanics and Foundation Engineering, June, 1971
4. 12CEC—Twelfth Coastal Engineering Conference, September 13-18, 1970
5. UPC—Uncased Pipeline Crossings of Railroads and Highways, 1971
6. BMS—Analytical Treatment of Problems of Berthing and Mooring Ships, July 19-30, 1965
7. UWRM—Urban Water Resources Management, July 27-31, 1970
8. NA—New Approaches to Urban Transportation Needs, March 30-31, 1971
9. PISST—Placement and Improvement of Soil to Support Structures, August 26-28, 1968
10. CWFE—Clean Water for Our Future Environment, March 21-24, 1971
11. UTI—Urban Transportation Innovation, July 1970

Preprints are indicated by the words Preprint and the preprint number and date. They were presented at ASCE National Meetings as follows:

XUM

Preprints	*Meeting*	*City*	*Date*
1284-1353	Water Resources Engineering Meeting	Phoenix, Ariz.	Jan. 11-15, 1971
1354-1420	Structural Engineering Meeting	Baltimore, Md.	April 19-23, 1971
1421-1522	Transportation Engineering Meeting	Seattle, Wash.	July 26-30, 1971
1523-1570	Annual and Environmental Engineering Meeting	St. Louis, Mo.	Oct. 18-22, 1971

Journal Abbreviations: Construction (CO), Engineering Mechanics (EM), Hydraulics (HY), Irrigation and Drainage (IR), Power (PO), Sanitary Engineering (SA), Soil Mechanics and Foundations (SM), Structural (ST), Surveying and Mapping (SU), Transportation Engineering (TE), Urban Planning and Development (UP), and Waterways, Harbors, and Coastal Engineering (WW). Papers sponsored by the Department of Professional Activities appear in "Engineering Issues—Journal of Professional Activities" and are identified by the symbols (PP). Papers appearing in the Transportation Engineering Journal of ASCE include papers approved by the Air Transport, Highway, Pipeline and Urban Transportation Divisions.

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

SM4:Apr 71:607:8026

which would indicate a paper published in the Journal of the Soil Mechanics and Foundations Division, April 1971 on page 607, as Proceedings Paper 8026.

The Transactions entry

TR:136:535

indicates that the Digest appears in Transactions, Volume 136, on page 535.

Articles and news items published in CIVIL ENGINEERING are represented as:

CE:Aug 71:52

which states that the article appeared in CIVIL ENGINEERING in the August 1971 issue on page 52.

In addition to articles, the following Departments of CIVIL ENGI-

XUM

NEERING are indexed: ASCE News, Engineers Notebook, News Briefs, The Readers Write, and The Younger Viewpoint.

Items indexed from Vol. 97 (1971) of the Journals are identified by months. The number of Journals published by a Division in 1971 can be obtained from the number after the last Division abbreviation, i.e., SM12: Dec 1971 identifies the twelfth issue of the Journal of the Soil Mechanics and Foundations Division. The complete list of paper numbers and Journals is as follows:

Month	*Paper Numbers*	*Journals*
January	7783-7857	HY1, PO1, SM1, ST1
February	7858-7938	EM1, HY2, SA1, SM2, ST2, TE1, WW1
March	7939-8009	CO1, HY3, IR1, PO2, SM3, ST3
April	8010-8080	EM2, HY4, SA2, SM4, ST4, UP1
May	8081-8153	HY5, SM5, ST5, SU1, TE2, WW2
June	8154-8222	EM3, HY6, IR2, SA3, SM6, ST2
July	8223-8265	HY7, PO3, SM7, ST7
August	8266-8343	EM4, HY8, SA4, SM8, ST8, WW3
September	8344-8402	HY9, IR3, SM9, ST9, PP1
October	8403-8481	EM5, HY10, SA5, SM10, ST10, WW4
November	8482-8550	CO2, HY11, TE4, SM11, ST11, SU2
December	8551-8616	EM6, HY12, IR4, PO4, SA6, SM12, ST12, UP2

This annual index, for the second time, has been composed using magnetic tapes of all 1971 entries. To make future issues more useful, interested persons should submit their suggestions for further improvement to:

Manager of Technical Publications
ASCE
345 East 47th Street
New York, New York 10017

1971 COMBINED SUBJECT INDEX

Abrasion
Local Scour Around Bridge Piers, Hsieh W. Shen, Verne R. Schneider and Susumu Karaki, HY6:Nov 69:1919:6891
TR:136:851

Abrasion Resistance
Wear Resistant Industrial Floors of Portland-Cement Concrete, R. F. Ytterberg, CE:Jan 71:68

Absorbers
Structural Dampers, P. Mahmoodi, ST8:Aug 69:1661:6725
TR:136:98

Abstracts
Data Retrieval on Thermal Pollution, Fred A. Limpert, CE:Nov 70:53
TR:136:1033

Acceleration (Physics)
Analysis of Accelerograms and Structural Response, S. K. Guha, S. P. Agarwal, V. P. Agarwal, P. D. Gosavi and S. C. Marwadi, TN: EM2:Apr 71:589:8017
Fluid Force Analysis and Accelerating Sphere Tests, Wallis S. Hamilton and James E. Lindell, HY6:June 71:805:8195

Accelerometers
In-Place Ocean Soil Strength By Accelerometer, Ronald Fraser Scott, SM1:Jan 70:199:7013
TR:136:768

Accessibility
The Remote Airport, David R. Miller, T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71

Accident Prevention
The Civil Engineer and Highway Safety, CE:Nov 70:63
TR:136:1155

Accidents
Containment Design Considerations for LMFBRS, Ira Charak, Preprint No.1296, Jan 71
The Driver and the Road, Donald L. Woods, TE4:Nov 71:609:8513

Accounting
Manual 33- Cost Control and Accounting for Civil Engineers, Task Committee on Revision of Manual 33, Committee on Standards of Practice, Professional Practice Division of ASCE, Nomer Gray, Chairman, 1971, 34 pp.

Accreditation
Position Paper on Civil Engineering Education, by the ASCE Committee on Engineering Education, Merit P. White, Chmn., PP1:July 69:29:6671
TR:136:1102

Accuracy
Accuracy of Field Deformation Measurements, James P. Gould, 4PCSM:pp.313-366, 1971
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525

Acoustics
Inadequacies of Piston Theory in Fluid-Shell Interactions, Jerome M. Klosner, EM2:Apr 70:143:7237
TR:136:1199

Acquisition
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449

Activated Carbon
Batch Adsorption Kinetics in Sewage--Activated Carbon, Jeffrey S. Hsieh, Raffi M. Turian and Chi Tien, SA4:Aug 71:505:8339

Activated Sludge
Activated Sludge ATP: Effects of Environmental Stress, Patrick L. Brezonik and James W. Patterson, SA6:Dec 71:813:8581
Integrated Approach to Problem of Viruses in Water, Gerald Berg, SA6:Dec 71:867:8590
Metal Toxicity to Sewage Organisms, Calvin P.C. Poon and Kiran L. Bhayani, SA2:Apr 71:161:8020

Activated Sludge Process
Anaerobic Digestion of Sludge Containing Iron Phosphate, Sudershan Malhotra, Thomas P. Parrillo and Alan Gene Hartenstein, SA5:Oct 71:629:8432
Computer Design of CMAS Systems, Daniel W. Smith, SA4:Aug 70:977:7474
TR:136:1013
Kinetic Analysis of Data from Biological Systems, Robert L. Irvine and Donald J. Schaezler, SA4:Aug 71:409:8323
Longitudinal Mixing in Spiral Flow Aeration Tanks, Keith L. Murphy and Boris I. Boyko, SA2:Apr 70:211:7200
TR:136:1210
Low Temperature Activated Sludge Settling, Sherwood C. Reed and R. Sage Murphy, SA4:Aug 69:747:6747
TR:136:185
Mass Transfer Limitations in Substrate Removal, C. Robert Baillod and William C. Boyle, SA2:Apr 70:525:7239
TR:136:891
Mixed Liquor Solids Separation by Flotation, Michael C. Mulbarger and Donald D. Huffman, SA4:Aug 70:861:7447
TR:136:983
New Wastewater Treatment Processes: EPA Encourages Adoption, Charles L. Swanson, CE:Sept 71:49
Nitrogen Removal By Modified Activated Sludge Process, Srinivasalu Balakrishnan and W. Wesley Eckenfelder, Jr., SA2:Apr 70:501:7236
TR:136:901
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247:8163
Phosphate Release in Activated Sludge Process, Clifford W. Randall, Duane W. Marshall and Paul H. King, SA2:Apr 70:395:7223
TR:136:816
Phosphate Removal at Baltimore, Maryland, Marion R. Scalf, Fred M. Pfeffer, Lawrence D. Lively, Jack L. Witherow and Charles P. Priesing, SA5:Oct 69:817:6817
TR:136:103

XUM

Phosphate Removal: Summary of Papers, Milton Spiegel and Tom H. Forrest, SA5:Oct 69:803:6807 TR:136:89
Pilot Plant Testing for Municipal Sewage Treatment, Robert C. Moore, SA2:Apr 70:573:7242 TR:136:922
Response of Activated Sludge to Organic Transient Loadings, Carl E. Adams, Jr. and W. Wesley Eckenfelder, Jr, SA2:Apr 70:333:7205 TR:136:1231
Role of Activated Sludge Final Settling Tanks, Richard I. Dick, SA2:Apr 70:423:7231 TR:136:1261
Shearing Effects On Settling of Activated Sludge, Richard A. Bradley and Ray B. Krone, SA1:Feb 71: 59:7926
Theoretical Analysis of Activated Sludge Dynamics, Charles R. Ott and Richard H. Bogan, SA1:Feb 71: 1:7879
Unified Basis for Biological Treatment Design and Operation, Alonzo W. Lawrence and Perry L. McCarty, SA3:June 70:757:7365

Additives
Session IV: Other Improvement Techniques (Additives, Grouting, Thermal, Electro, Vibroflotation, Blasting, Compaction, Piles), Roy E. Olson, PISST:pp.91-92, 1971

Adenosine Phosphates
Activated Sludge ATP: Effects of Environmental Stress, Patrick L. Brezonik and James W. Patterson, SA6:Dec 71:813:8581

Adhesion
Adhesion Control in High-speed Wheel-rail Interaction, Igor L. Paul, Preprint No.1522, July 71

Adsorption
Adsorption of Pesticides by Clay Minerals, Ju-Chang Huang and Cheng-Sun Liao, SA5:Oct 70:1057:7603
Downflow Bubble Contact Aeration, Richard E. Speece, Marcos Madrid and Kenneth Needham, SA4:Aug 71:433:8278
Virus Inactivation During Phosphate Precipitation, Dirk R. Brunner and Otis J. Sproul, SA2:Apr 70: 365:7220 TR:136:1253

Aeration
Aerated Lagoons Treat Minnesota Town's Wastes, James B. Neighbor, CE:Dec 70:59 Dsc: Santosh R. Goswami, CE:July 71:40
Aeration of Flow Below Navigation Dams - St. Paul District, Henry W. Harich, Preprint No.1561, Oct 71
Aeration System for Large Navigable Rivers, William Whipple, Jr. and Shaw L. Yu, SA6:Dec 71:883: 8601
Aerator Performance in Natural Streams, Shaw L. Yu, SA5:Oct 70:1099:7601
Characteristics of Self-Aerated Flows, Nagar S. Lakshmana Rao, Kyatsandra Seetharamiah and Thimmaiah Gangadharaiah, HY2:Feb 70:331:7055
Design of U-Tube Aeration Systems, Richard E. Speece and Rudolph Orosco, SA3:June 70:715:7348 TR:136:951
Flow of Air Through Soils, Geoffrey E. Blight, SM4: Apr 71:607:8026
Instream Aeration: An Alternative to Advanced Waste Treatment, William Whipple, Jr., CE:Sept 70:78 TR:136:750
Instream Aerators for Polluted Rivers, William Whipple, Jr., Francis P. Coughlan, Jr. and Shaw L. Yu, SA5:Oct 70:1153:7631
Longitudinal Mixing in Spiral Flow Aeration Tanks, Keith L. Murphy and Boris I. Boyko, SA2:Apr 70: 211:7200 TR:136:1210
Reaeration Measurements in an Estuarn, David W. Juliano, SA6:Dec 69:1165:6987 TR:136:391
Scaling Methods for Surface Aerators, George Maise, SA5:Oct 70:1079:7605 TR:136:1287
Surface Aeration Cuts Costs of Waste-Water Treatment Plant, Kenneth D. Miller, CE:Aug 71:41
Transfer of Oxygen in Aqueous Solutions, Edwin L. Barnhart, SA3:June 69:645:6639 TR:136:775
Treatment of Mine Drainage by Industry in Pennsylvania, Walter N. Heine and Ernest F. Giovannitti, SA3:June 70:743:7362 TR:136:964

Aeration Tanks
Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71: 42

Aerators
Surface Aeration Cuts Costs of Waste-Water Treatment Plant, Kenneth D. Miller, CE:Aug 71:41

Aerial Photography
Aerial Color Analysis of Water Quality, Kenneth R. Piech and J. E. Walker, Preprint No.1327, Jan 71
Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71: 321:8545
Applications of Airborne Remote Sensing Technology, Ralph W. Kiefer and James P. Scherz, SU1:Apr 70:57:7225 TR:136:781
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Coastal Erosion in North Carolina, Leonard J. Langfelder, Donald B. Stafford and Michael Amein, WW2:May 70:531:7306
Monitoring Water Pollution by Means of Remote Sensing Techniques, James P. Scherz, Preprint No.1317, Jan 71
Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550
Orthophotomapping for Prudhoe Bay Development, Thomas J. O'Brien, SU2:Nov 71:199:8499
Photogrammetric Surveying in Highway Programs, James E. Newman, SU2:Nov 71:297:8539
The Role of the Civil Engineer in Remote Sensing, James L. Clapp, Preprint No.1337, Jan 71
Space Resection from Collinearity Conditions, Kunwar K. Rampal, SU2:Nov 71:205:8520
Studies on the Shore Process and Wave Features of the Western Coast of Taiwan, Kenneth S. T. Chang and Frederick L. W. Tang, 12CEC:pp.729-737, 1971

Aerial Surveys
Depth to Ground-Water Table by Remote Sensing, M Abdel-Hady and Harlan H. Karbs, IR3:Sept 71: 355:8360
Photogrammetric Surveying in Highway Programs, James E. Newman, SU2:Nov 71:297:8539

Aerodynamics
Response of Triangular Prisms in Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, ST11:Nov 71: 2679:8526

Aerodynamic Stability
Aeroelastic Stability of Unstiffened Suspension Bridges, Daniel Dicker, EM6:Dec 71:1677:8615
Airfoil and Bridge Deck Flutter Derivatives, Robert H. Scanlan and John J. Tomko, EM6:Dec 71:1717: 8609

Aeroelasticity
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71

Aerosol Generators
Modification of the Atmospheric Aerosol, Austin W. Hogan, Preprint No.1332, Jan 71

XUM

Aerosols
Modification of the Atmospheric Aerosol, Austin W. Hogan, Preprint No.1332, Jan 71

Aerospace Engineering
Manned Space Station: Civil Engineer's Role, Stewart W. Johnson, CE:Oct 71:88

Aero-Space Transport
Airfield Pavement Systems, E. Lile Murphee, Jr., Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283
The Civil Engineer in Aerospace, Task Committee on Civil Engineering in Space of the Committee on Space Facilities of the Aero-Space Transport Division, Stewart W. Johnson, Chmn., TE2:May 71:247:8124
Density Altitude Variations and Runway Length, Thomas B. Davinroy, TE4:Nov 71:591:8512
Environmental Aspects of Airport System Planning, John F. Brown, TE4:Nov 70:543:7674 TR:136:1284
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2: May 71:187:8090
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Space Criteria for Aircraft Aprons, Paul H. Stafford and Larry D. Stafford, TE2:May 69:237:6533 TR:136:1085
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298
V/STOL Concepts for Short Haul Air Transport, Bernard L. Fry and R. William DeDecker, TE3: Aug 71:411:8277

Agglomeration
Shearing Effects On Settling of Activated Sludge, Richard A. Bradley and Ray B. Krone, SA1:Feb 71: 59:7926

Aggregates
Grouting Preplaced Aggregate to Form Concrete, Albert B. Crosby, Preprint No.1523, Oct 71
Mathematical Model for Aggregate Plant Production, Donn E. Hancher and John A. Havers, TN: CO1: Mar 71:171:7972

Agricultural Engineering
Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391 TR:136:965
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Model For Farm Irrigation in Humid Areas, James S. Windsor, IR3:Sept 71:369:8355
Steady Drainage of Layered Soils: II, Nomographs, Sadik Toksoz and Don Kirkham, IR1:Mar 71:19: 7986
Steady Drainage of Layered Soils: 1, Theory, Sadik Toksoz and Don Kirkham, IR1:Mar 71:1:7985
Use of Atmometers in Estimating Evapotranspiration, John W. Shannon, IR3:Sept 68:309:6120 TR:136:840

Agricultural Wastes
Agricultural and Urban Waste Water Reuse, Herman Bouwer and Russell F. Mann, Preprint No.1347, Jan 71

Agriculture
Environmental Protection-TVA Experience, Francis E. Gartrell and James C. Barber, SA6:Dec 70:1321: 7761
Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208
Peat and Muck Drainage Problems, John C. Stephens, IR2:June 69:285:6603 TR:136:1098
Role of Irrigation in the West's Expanding Economy, Floyd E. Dominy, IR4:Dec 68:401:6281 TR:136:579

Agronomy
Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208

Airborne Wastes
Sediment Measurement Techniques: E. Airborne Sediment, by the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY1:Jan 70:29:7001 TR:136:380

Air Bubbles
Downflow Bubble Contact Aeration, Richard E. Speece, Marcos Madrid and Kenneth Needham, SA4:Aug 71:433:8278
Self-Aerated Flow Characteristics in Wall Region, Nagar S. Lakshmana Rao and Thimmaiah Gangadharaiah, HY9:Sept 71:1285:8359

Air Conditioning
Subway Aerodynamic Valved Entry SAVE System , Gerald R. Seemann, Preprint No.1470, July 71

Air Conditioning Equipment
Subway Aerodynamic Valved Entry SAVE System , Gerald R. Seemann, Preprint No.1470, July 71

Air Cooling
Power Plant Cycles for Dry Cooling Towers, Paul Leung and Raymond E. Moore, PO4:Dec 71:729: 8565

Aircraft
Determination of Wheel Trajectories, Ezra Hauer, TE4:Nov 70:463:7653
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2: May 71:187:8090
Interaction of Aircraft and Ground Structure, Nai C. Yang, ST6:June 70:1119:7360 TR:136:938
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Space Criteria for Aircraft Aprons, Paul H. Stafford and Larry D. Stafford, TE2:May 69:237:6533 TR:136:1085
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063

Aircraft Landing
Evaluation of Airfield Performance by Simulation, Austin E. Brant, Jr. and Patrick J. McAward, Jr., Preprint No.1486, July 71

Aircraft Landing Areas
Application of an Airfield Surface System Model, Donald Maddison, Preprint No.1492, July 71
Effect of Load Placement on Rigid Pavement Behavior, Harvey J. Treybig, TE4:Nov 71:681:8543
Space Criteria for Aircraft Aprons, Paul H. Stafford and Larry D. Stafford, TE2:May 69:237:6533 TR:136:1085

Aircraft Loading Plans
Satellite Transit at Seattle-Tacoma Airport, Ralph Mason, Preprint No.1458, July 71

Air Entrainment
Air Entrainment and Energy Dissipation in Breakers, Alfred Fuhrboter, 12CEC:pp.391-398, 1971
Characteristics of Self-Aerated Flows, Nagar S. Lakshmana Rao, Kyatsandra Seetharamiah and Thimmaiah Gangadharaiah, HY2:Feb 70:331:7055
Quick Quality Testing of Concrete, Peter Smith, CE: Aug 70:52 TR:136:621
Self-Aerated Flow Characteristics in Wall Region, Nagar S. Lakshmana Rao and Thimmaiah Gangadharaiah, HY9:Sept 71:1285:8359

XUM

Air Flow
Longitudinal Mixing in Spiral Flow Aeration Tanks, Keith L. Murphy and Boris I. Boyko, SA2:Apr 70: 211:7200
TR:136:1210

Airfoils
Airfoil and Bridge Deck Flutter Derivatives, Robert H. Scanlan and John J. Tomko, EM6:Dec 71:1717: 8609
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71

Air Navigation
Television Display of Topographic Maps, Kam W. Wong and Nick G. Yacoumelos, SU2:Nov 71:273: 8531

Air Pollution
Air Pollution and Civil Engineers-Careers and Design Problem, Paul W. Purdom, , E:Feb 70:48
TR:136:250
Clean Air Management in Allegheny County, Pa., Edward L. Stockton, SA5:Oct 70:1211:7609
TR:136:1121
New Municipal Incinerator Defeats Pollution/ Corrosion Problems, Eugene S. Backus, CE:Dec 71: 48
Sediment Measurement Techniques: E. Airborne Sediment, by the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY1:Jan 70:29:7001
TR:136:380
Sewage Treatment System Odors and Air Pollutants, Ralph Stone, SA4:Aug 70:905:7456
TR:136:1004
Silver Iodide Generators and Public Health, William J. Douglas, IR3:Sept 70:273:7535
TR:136:1161
Space Consumption - The Emphysema of Transportation, Bruce M. Davidson, Preprint No.1503, July 71
USBR Specifications Focus on Environment, Bernard P. Bellport, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70
What Industry is Doing About Pollution Control, Charles Hemming, CE:Sept 71:59
Will Air Pollution Regulations Change Commuting Patterns?, William D. Ruckelshaus, CE:Sept 71:86

Air Pollution Control Equipment
Clean Air Management in Allegheny County, Pa., Edward L. Stockton, SA5:Oct 70:1211:7609
TR:136:1121
New Municipal Incinerator Defeats Pollution/ Corrosion Problems, Eugene S. Backus, CE:Dec 71: 48

Airports
Airfield Pavement Systems, E. Lile Murphee, Jr., Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283
Air Traffic Simulation, 1- and 2-Runway Airports, Stephen Hall, Preprint No.1421, July 71
Application of an Airfield Surface System Model, Donald Maddison, Preprint No.1492, July 71
Application of Computers to Airport Planning and Design, Rufus C. Phillips, III, TE3:Aug 70:341: 7472
TR:136:1160
Atlanta's Instant Runway, Robert W. Richards, TE3: Aug 71:491:8306
Design of Hamburg's New Airport Terminal, Joseph Treiterer, TE3:Aug 70:403:7483
TR:136:1120
Determination of Wheel Trajectories, Ezra Hauer, TE4:Nov 70:463:7653
Detroit Metropolitan Wayne County Airport, Lin Y. Huang, CE:July 70:55
TR:136:533
Environmental Aspects of Airport System Planning, John F. Brown, TE4:Nov 70:543:7674
TR:136:1284
Evaluation of Airfield Performance by Simulation, Austin E. Brant, Jr. and Patrick J. McAward, Jr., Preprint No.1486, July 71
Flexible Pavement for Tomorrow's Major Airports, Donald N. Brown, George M. Hammitt, II and Donald M. Ladd, TE4:Nov 69:617:6874
TR:136:223
General Aviation's Urban Airport Capacity Problem, Walter E. Gillfillan, TE1:Feb 70:79:7109
TR:136:729
Hannover Regional Complex Including Airport, Heinz P. Piper, TE2:May 69:245:6534
TR:136:1233
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2: May 71:187:8090
International Challenge to Airports, Kenneth K. Wilde, TE3:Aug 70:269:7455
TR:136:1195
Maximum Entropy Mixing in Estuaries, Dominic M. Di Toro, TE4:July 69:1247:6885
TR:136:981
New Paving Concept for Newark Airport, Nai C. Yang, CE:Sept 70:95
Dsc: Fred Bennett, CE:Jan 71:67
TR:136:832
Operational Planning of Airport Facilities, James J. Browne, Rogers Lui and Ravinder Nanda, Preprint No.1495, July 71
Pavement Evaluation and Design for Jumbo Jets, Bernard A. Vallerga and Benjamin F. Franklin McCullough, TE4:Nov 69:639:6895
TR:136:252
The Remote Airport, David R. Miller, T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Satellite Transit at Seattle-Tacoma Airport, Ralph Mason, Preprint No.1458, July 71
South Florida Training Runway and Everglades National Park, H. C. Lamberton, Jr., CE:Apr 70:53
TR:136:350
The Super Airport, Lloyd S. Laity, Preprint No.1508, July 71
Tampa International Airport: Model for the Jumbo-Jet Age, George S. Jenkins, CE:Oct 71:68
Terminal Access and the Choice of Intercity Modes, Edward A. Beimborn, TE3:Aug 69:463:6731
TR:136:117
Unified Baggage Handling Systems at Seattle-Tacoma, Charles Davis, Preprint No.1452, July 71
The Urban Transportation / Innovation Problem: Can New Concepts Help? - The Institutional Response, Michael Cafferty, UT1:pp.19-41, 1971
West Virginia Commercial Air Trip Generations, Dennis C. Judycki, Frederick J. Wegmann and Everett C. Carter, TE2:May 70:185:7281
TR:136:492

Air Rights
Use of Air Rights over Urban Expressw , Thomas F. Airis, TE2:May 69:357:6550
TR:136:641
Use of Air Space Over Freeway Systems, Lyall A. Pardee, UP1:Apr 69:61:6519
TR:136:788

Air Route Traffic Control
Evaluation of Airfield Performance by Simulation, Austin E. Brant, Jr. and Patrick J. McAward, Jr., Preprint No.1486, July 71

Airspace
Use of Air Space Over Freeway Systems, Lyall A. Pardee, UP1:Apr 69:61:6519
TR:136:788

Air Traffic
Air Traffic Simulation, 1- and 2-Runway Airports, Stephen Hall, Preprint No.1421, July 71
Evaluation of Airfield Performance by Simulation, Austin E. Brant, Jr. and Patrick J. McAward, Jr., Preprint No.1486, July 71
Examining the Costs and Benefits of Delay Reduction with STOL Air Transportation, Joan B. Barriage and Stanley P. E. Price, Preprint No.1507, July 71
General Aviation's Urban Airport Capacity Problem, Walter E. Gillfillan, TE1:Feb 70:79:7109
TR:136:729
Systematic Analysis of Airport Congestion as a Constraint on Air Travel, George N. Bower and J. Robert Bennett, Preprint No.1496, July 71

Air Traffic Control
Air Traffic Simulation, 1- and 2-Runway Airports, Stephen Hall, Preprint No.1421, July 71
General Aviation's Urban Airport Capacity Problem, Walter E. Gillfillan, TE1:Feb 70:79:7109
TR:136:729
Research Needs in Air Transportation by the Committee on Research of the Aero Space Division, Jack E. Snell, Chmn., TE1:Feb 70:45:7091
TR:136:1214

Air Transportation
Design of Hamburg's New Airport Terminal, Joseph Treiterer, TE3:Aug 70:403:7483
TR:136:1120
Determination of Wheel Trajectories, Ezra Hauer, TE4:Nov 70:463:7653
Environmental Aspects of Airport System Planning, John F. Brown, TE4:Nov 70:543:7674
TR:136:1284
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2:May 71:187:8090
Operational Planning of Airport Facilities, James J. Browne, Rogers Lui and Ravinder Nanda, Preprint No.1495, July 71
The Remote Airport, David R. Miller, T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71
Research Needs in Air Transportation by the Committee on Research of the Aero Space Division, Jack E. Snell, Chmn., TE1:Feb 70:45:7091
TR:136:1214
The Super Airport, Lloyd S. Laity, Preprint No.1508, July 71
Systematic Analysis of Airport Congestion as a Constraint on Air Travel, George N. Bower and J. Robert Bennett, Preprint No.1496, July 71
Systems Approach to Choice in Transport Technology, Edward J. Ward, TE4:Nov 70:455:7656
TR:136:1248
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343
V/STOL Concepts for Short Haul Air Transport, Bernard L. Fry and R. William DeDecker, TE3:Aug 71:411:8277

Air-Water Interfaces
Water Surface Velocities Induced by Wind Shear, Erich J. Plate, EM3:June 70:295:7351
TR:136:860

Alabama
Water Resources Planning For Pascagoula Basin, Mason B. Oldham, Jr. and John W. Rushing, WW1:Feb 70:65:7060
TR:136:383

Alaska
Dsc, A Proposal for ASCE, Paul J. Theuer, CE:Oct 71:38
Ketchikan Waterfront Development, Robert V. Kycek and Peter Semrad, Preprint No.1554, Oct 71
Multipurpose Land-water Transfer Facility - The Alaska Ferry Terminal, C. Adrian Arnold, Preprint No.1481, July 71
Orthophotomapping for Prudhoe Bay Development, Thomas J. O'Brien, SU2:Nov 71:199:8499

Algae
Aerial Color Analyses of Water Quality, Kenneth R. Piech and J. E. Walker, SU2:Nov 71:185:8507
Algal Reactor For Life Support Systems, Gedalia Shelef, William J. Oswald and P. H. McGauhey, SA1:Feb 70:91:7105
TR:136:797
Disinfection of Algal Laden Waters, Wayne F. Echelberger, Jr., Joseph L. Pavoni, Philip C. Singer and Mark W. Tenney, NSCD:pp.563-583, 1971
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Dissolved Oxygen Variations in Stratified Lakes, David A. Bella, SA5:Oct 70:1129:7628
TR:136:1237
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Evaluation of Anaerobic Denitrification Processes, Daniel F. Seidel and Ronald W. Crites, SA2:Apr 70:267:7211
TR:136:1247
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Filtration of Chlorella Through Dune-Sand, Yair Folkman and Alberto M. Wachs, SA3:June 70:675:7332
Rational Multivariate Algal Growth Kinetics, E. Joe Middlebrooks and Donald B. Porcella, TN: SA1:Feb 71:135:7859
Sulfide Production in Waste Stabilization Ponds, Earnest F. Gloyna and Ernesto Espino, SA3:June 69:607:6637
TR:136:1080

Algorithms
Routing for Public Service Vehicles, David H. Marks and Robert Stricker, UP2:Dec 71:165:8573

Alignment
Effect on Waterway Depth and Alignments, Casimir J. Kray, WW2:May 70:497:7305
Seasonal Deformation of 2-Mile Straight Line, Joseph J. Spranza and Amos M. Nur, SM12:Dec 71:1623:8586

Alloy Steels
Factors Affecting Durability of Ferrous Metals in the Atmosphere, Francis L. LaQue, ST11:Nov 69:2385:6890
TR:136:344

Alluvial Channels
Bed Load Transportation in Alluvial Channels, Satya P. Garg, Ashutosh K. Agrawal and Prem Raj Singh, HY5:May 71:653:8091
Computer Simulation of Sediment Deposit in an Alluvial Channel, Fred F. M. Chang, Dennis L. Richards and Yuh Hua Tsai, Preprint No.1538, Oct 71
Digital Model of Alluvial Aquifer, Peter C. Trescott, George F. Pinder and John F. Jones, WW3:May 70:1115:7264
TR:136:729
Flume Experiments on Alternate Bar Formation, Hai Yain Chang, Daryl B. Simmons and David A. Woolhiser, WW1:Feb 71:155:7869
Friction-Factors for Flat-Bed Flows in Sand Channels, Frederico Lovera and John F. Kennedy, HY4:July 69:1227:6678
TR:136:188
Friction Factors for Flow in Sand Bed Channels, Abu M.Z. Alam and John F. Kennedy, HY6:Nov 69:1973:6900
TR:136:520
Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973

XUM

Indeterminate Hydraulics of Alluvial Channels, Thomas Maddock, Jr., HY11:Nov 70:2309:7696
Ripple Concentration and Friction Factor, Fred F.M. Chang, HY2:Feb 70:417:7067
TR:136:489

Alluvial Streams
Flow Over Triangular Elements Simulating Dunes, Mahmoud Faisal Rifai and Kenneth V.H. Smith, HY7:July 71:963:8246

Alluvium
Sedimentation Engineering, Chapter II: Sediment Transportation Mechanics: Q. Genetic Classification of Valley Sediment Deposits, Task Committee for Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY1:Jan 71:43:7815

Aluminum
Aluminum Space Frame for Parque Anhembi, Sao Paulo, Cedric Marsh and Peter K. Kneen, Preprint No.1391, Apr 71
Aluminum Space Structures in Hungary, Istvan Kadar, Preprint No.1370, Apr 71
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Field Tests of Aluminum Orthotropic Bridge Deck, Maurice L. Sharp, ST11:Nov 69:2463:6920
TR:136:382
Guide for the Design of Aluminum Formed-Sheet Building Sheathing, Robert B.B. Moorman, Chmn, ST8:Aug 69:1727:6744
TR:136:195
Thin Aluminum Shear Webt, Maurice L. Sharp and John W. Clark, ST4:Apr 71:1021:8048

Ammonia
Simulation of Ammonia Stripping from Wastewater, Joseph F. Roesler, Robert Smith and Richard G. Eilers, SA3:June 71:269:8182

Amoeba
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, NSCD: pp.319-338, 1971
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, SA6:Dec 71:801:8567

Amortization
Amortization of Nonconforming Uses in Flood Plains, William R. Walker, UP1:Mar 70:1:7125
TR:136:779

Anaerobic Digestion
Anaerobic Digestion of Sludge Containing Iron Phosphate, Sudershan Malhotra, Thomas P. Parrillo and Alan Gene Hartenstein, SA5:Oct 71:629:8432
Dynamic Model of the Anaerobic Digestion Process, John F. Andrews, SA1:Feb 69:95:6418
TR:136:714
Unified Basis for Biological Treatment Design and Operation, Alonzo W. Lawrence and Perry L. McCarty, SA3:June 70:757:7365

Anaerobic Processes
Dynamic Model of the Anaerobic Digestion Process, John F. Andrews, SA1:Feb 69:95:6418
TR:136:714
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Phosphate Release in Activated Sludge Process, Clifford W. Randall, Duane W. Marshall and Paul H. King, SA2:Apr 70:395:7223
TR:136:816

Analog Computers
Nonlinear Bending of Bars, Imamuddin Khwaja, TN: EM1:Feb 71:137:7858
Periodic Excitation of Multiple-Unit Impact Dampers, S. F. Masri, EM6:Dec 70:1195:7747
TR:136:1321
Theoretical Analysis of Activated Sludge Dynamics, Charles R. Ott and Richard H. Bogan, SA1:Feb 71:1:7879

Analogies
Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324

Analogs
Analog Analysis of Water Distribution Networks, Don J. Wood, TE2:May 71:281:8112
Scaling Methods for Surface Aerators, George Maise, SA5:Oct 70:1079:7605
TR:136:1287

Analysis
Analysis of the Need for Goods Movement Forecasts, Davit Fresko, Gordon Shunk and Franklin Spielberg, Preprint No.1490, July 71
Analytical Approach on Wave Overtopping on Levees, Hiroyoshi Shi-igai and Tsugio Kono, 12CEC:pp.563-573, 1971
Subjective Uncertainty Analysis, C. B. Brown and R. S. Leonard, Preprint No.1388, Apr 71
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241

Anchorages
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Pullout Resistance of Anchors Buried in Sand, Kent A. Healy, TN: SM11:Nov 71:1615:8511

Anchors
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807:7961
Sand Movement Measurement Near Anchor Plates, Robert W. Carr and Thomas H. Hanna, TN: SM5:May 71:833:8087

Anchors (Structures)
Newport Suspension Bridge, Alfred Hedefine and Louis G. Silano, CE:Aug 70:64
Dsc: Juhani Virola, CE:Jan 71:59
TR:136:670
Sloped Sheeting, Harry Schnabel, Jr., CE:Feb 71:48
Tiebacks for Bank of America Building Foundation Wall, Thomas D. Wosser and Robert D. Darragh, CE:Mar 70:65
TR:136:295

Anemometers
Anemometer Height in Froude Scaling of Wind Stress, Jin Wu, WW1:Feb 71:131:7873
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177
TR:136:1017

Angles (Geometry)
Lateral Refraction in Proximity of Structures, Ron K.H. Adler and Haim B. Papo, SU1:Oct 69:93:6846
TR:136:643
Rounds Versus Positions, Mohamed F. Madkour, SU1:Oct 69:151:6862
TR:136:679

Animal Ecology
The Cross-Florida Barge Canal: A Lesson in Ecology, Suzy Fisher, CE:Apr 71:44

Anisotropy
Bearing Capacity of Anisotropic Cohesive Soil, Edward H. Davis and John T. Christian, SM5:May 71:753:8146
In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:881:7273
TR:136:1300

Mohr-Coulomb Strength Theory for Anisotropic Soils, Wallace H. Baker and Raymond J. Krizek, SM1:Jan 70:269:7015
TR:136:442
Strength of Anisotropically Consolidated Compacted Clay, Kenneth L. Lee and Ross A. Morrison, SM6: Nov 70:2025:7703
Thermal Stresses in Multilayer Anisotropic Shells, Tung D. Lin and D. E. Boyd, EM3:June 71:829: 8206

Annexation
The Aftereffects of Annexation--A Case Study, Russell E. Helms, UP1:Apr 69:15:6490
TR:136:811

Antennas
Computation of Cutting Length of Guys, Stanley J. Jarecki, Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587
New Microwave Tower Design Reduces Drag, Demetri Zavitzianos, CE:Mar 71:46
Dsc: Donald W. Rose, CE:July 71:66
Performance of Foundation for Altair Radar, Robert V. Whitman, Dirk R. Casagrande, Kjell Karlsrud and Richard Simon, SM1:Jan 71:1:7809
World's Largest Log-Periodic Antenna, Yen H. Dong, ST9:Sept 71:2371:8400

Apprenticeship
Local Sections and Social Action: How It Stands, Charles Hemming, CE:Nov 70:33
TR:136:1109
Minority Training Programs Lurch Ahead, Suzy Fisher, CE:Sept 71:68

Aprons
Space Criteria for Aircraft Aprons, Paul H. Stafford and Larry D. Stafford, TE2:May 69:237:6533
TR:136:1085

Aquatic Biology
Dams and Ecology: Can They be Made Compatible?, Darrell J. Turner, CE:Sept 71:76

Aquatic Plants
Biological Control of Aquatic Weeds, Robert D. Blackburn, David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362
Herbicidal Control of Aquatic Plants as Related to the Environment, E. O. Gangstad, Preprint No.1532, Oct 71
Public Irrigation Systems In Puerto Rico, Garcia Rafael Reyes, IR1:Mar 71:109:7953

Aqueducts
Operation and Maintenance of Colorado Aqueduct, Henry J. Mills, IR1:Mar 71:203:8007
Southern Nevada Water Project - Water for Las Vegas, Lloyd R. Porter, Preprint No.1286, Jan 71

Aqueous Solutions
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, NSCD: pp.319-338, 1971

Aquifer Characteristics
Exotic Uses of Aquifers, Raphael G. Kazmann, IR3: Sept 71:515:8352

Aquifers
Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579
Digital Model of Alluvial Aquifer, Peter C. Trescott, George F. Pinder and John F. Jones, WW3:May 70:1115:7264
TR:136:729
Exotic Uses of Aquifers, Raphael G. Kazmann, IR3: Sept 71:515:8352
Ground Water Management-A Progress Report, Jack J. Coe, IR1:Mar 71:149:7971
High Plains Irrigation and Texas Water Plan, Dan M. Wells, IR1:Mar 71:123:7960
Hydrology and Geology of Honolulu Aquifer, David K. Todd and Charles F. Meyer, HY2:Feb 71:233: 7910
Mathematical Model of Leaky Aquifer, Robert Bibby and Daniel K. Sunada, IR3:Sept 71:387:8350
Numerical Analysis of Free Surface Seepage Problems, Peter W. France, Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165: 7959
Potable Water Availability on Long Oceanic Islands, Eugene W. Rochester, Jr. and George J. Kriz, SA5: Oct 70:1235:7627
TR:136:1019
Rational Design of Wall Screens, Satya P. Garg and Jagroshan Lal, IR1:Mar 71:131:7969
Similitude Criteria for Flow from Unconfined Aquifers, Rameshwar D. Verma and Wilfried Brutsaert, HY9:Sept 71:1493:8397
Theoretical Baseflow Curves, Krishan P. Singh, HY6: Nov 69:2029:6905
TR:136:315
Unconfined Aquifer Seepage by Capillary Flow Theory, Rameshwar D. Verma and Wilfried Brutsaert, HY6:June 70:1331:7363
TR:136:738
Unsteady Drawdown in Well Groups, Raymond J. Krizek, Gabor M. Karadi and D. Babu Rao, HY10: Oct 71:1625:8436
Unsteady Free Surface Ground Water Seepage, Rameshwar D. Verma and Wilfried Brutsaert, HY8: Aug 71:1213:8337
Vertical Recharge of Unconfined Aquifer, Bruce W. Hunt, HY7:July 71:1017:8257

Arches
Complete Adjustment Method for Analyzing Arch Dams, J. Laginha Serafim, J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70: 1711:7492
Dynamic Buckling of Shallow Arches, Robert E. Fulton and Furman W. Barton, EM3:June 71:865: 8214
Effect of Weight on Large Deflections of Arches, J. Stewart Kennedy and Anand S. Aggarwal, EM3: June 71:637:8165
Experimental Study of Lateral Buckling of Arches, Frank J. Tokarz, ST2:Feb 71:545:7893
In-Plane Bending and Buckling of Arches, Walter J. Austin, ST5:May 71:1575:8130
Lateral Buckling of Parabolic Arches with Tilting Loads, Shyam N. Shukla and Morris Ojalvo, ST6: June 71:1763:8209
Natural Frequencies of Circular Arches, Joseph A. Wolf, Jr., ST9:Sept 71:2337:8393
Nonlinear Buckling Analysis of Sandwich Arches, Parviz Sharifi and Egor P. Popov, EM5:Oct 71: 1397:8417
Stability Criteria for Shallow Arches, James F. Dickie and Peter Broughton, EM3:June 71:951:8217
Structural Behavior of Concrete Arch Culvert, Raymond Eugene Davis, ST12:Dec 69:2665:6942
TR:136:430

Architects
Engineering-Architecture Interprofessional Practice, William H. Wisely, CE:Apr 71:37
Dsc: Shu-Tien Li, CE:Sept 71:72; William J. Heiser, CE:Sept 71:87; A. T. Waidelich, CE: Sept 71:93
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Architecture
Better Designs for Man through Teamwork, Training, Research, and Feedback, Calvin W. Taylor, ABS: pp.11-36, 1971
A Game Plan for Interprofessional Collaboration in Engineering and Architecture, William H. Wisely, CE:Oct 71:41

XUM

Sydney Opera House, O. N. Arup and Gerd J. Zunz, CE:Dec 71:50
Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476

Arctic Regions
All-Weather Tanker Terminal for Cook Inlet, Alaska, William S. Gaither and Robert E. Dalton, WW2: May 69:131:6549
TR:136:652
Arctic Hangar for Minus 60 Deg F, Ralph Kratz, CE:May 71:72

Area
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, Preprint No.1344, Jan 71

Argentina
Los Nogales Dam - Effectiveness of the Curtain (In Spanish), Carlos A. Micucci, Hugo Scolaro, Arnoldo J.L. Bolognesi and Oreste Moretto, 4PCSM:pp.307-317, 1971

Arizona
A Technical Movie of the Papago Freeway, John Girand, Preprint No.1293, Jan 71
Use of Runoff Forecasting in Reservoir Operations, Thomas T. Wilson, Jr. and Edib Kirdar, IR3:Sept 70:299:7541
Water Consumption Study for Navajo Plant, Paul Leung and Raymond E. Moore, PO4:Dec 71:749: 8564

Arkansas
Pump Storage at DeGray Dam, Robert G. Burnett and William M. Rankin, Preprint No.1414, Apr 71
Spillway Gate Vibrations on Arkansas River Dams, Tasso Schmidgall, Preprint No.1331, Jan 71

Army Research
Emergency Water Disinfection Practice, Surinder K. Kapoor and John T. O'Connor, NSCD:pp.179-188, 1971

Artesian Wells
Computer Analysis of Flow toward Artesian Wells, Yang H. Huang, TN: HY9:Sept 71:1579:8349

Artificial Intelligence
Artificial Intelligence Continuum Mechanics, Andrew K.C. Wong and George Bugliarello, EM6:Dec 70: 1239:7779

Artificial Recharge
Artificial Recharge in Water Resources Management, Marvin J. Dvoracek, IR2:June 71:219:8185

Asbestos Cement
World's Largest Log-Periodic Antenna, Yen H. Dong, ST9:Sept 71:2371:8400

ASCE (Activities)
Breaking New Ground, Oscar S. Bray, PP1:Oct 71:1: 8473

ASCE (Aims and Activities)
ASCE and Social Issues, Oscar S. Bray, CE:May 71: 58
Dsc: Warren E. Howland, CE:Sept 71:93; Robert A. May, CE:Dec 71:42

ASCE (Awards & Prizes)
ASCE Awards and Prizes Given for 1971, CE:Oct 71:53

ASCE (Board of Direction)
Rogers Takes Over As District 2 Director, CE:Dec 71:76
Unfinished Business, Arthur J. Fox, CE:Mar 71:57

ASCE (Code of Ethics)
Article Three and the Department of Justice, William H. Wisely, CE:Sept 71:47
The Practice of Foundation Engineering in the Commonwealth of Puerto Rico, Efrahim Murati, 4PCSM:pp.391-402, 1971

ASCE (Committees)
Action in Public Affairs - A Way of Life, James W. McPhillips, Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71
Data Retrieval on Thermal Pollution, Fred A. Limpert, CE:Nov 70:53
TR:136:1033
Economic Status - The Engineer's Dilemma, Alfred R. Golze, Preprint No.1493, July 71
Guidelines for Employer-Engineer Relationships, CE: July 71:57
New Books On Structural Analysis, CE:Nov 71:70

ASCE (Education)
Breaking New Ground, Oscar S. Bray, PP1:Oct 71:1: 8473
C.E. for C.E.'s - Who Needs It?, David J. Hall, Preprint No.1340, Jan 71
Civil Engineering Education: A Preparation for Management, John A. Havers, PP1:Sept 70:1:7544
TR:136:844
The Nature of Continuing Education, Alfred C. Ingersoll, CWFE:Mar 71:229

ASCE (Employment Conditions)
Economic Status - The Engineer's Dilemma, Alfred R. Golze, Preprint No.1493, July 71
Guidelines for Employer-Engineer Relationships, CE: July 71:57
Retirement Plan Study, Arnold Olitt, PP1:Sept 70:39: 7552
TR:136:921

ASCE (Ethics)
Some Challenge Posed by Traditional Institutions and Practices, Gene E. Willeke, UWRM:pp.61-71, 1971

ASCE (Finance)
Thanks For Your Confidence, William H. Wisely, CE:Mar 70:35
TR:136:217

ASCE (History)
Historical Heritage Preservation Through Renewal, Philip M. Botch and Marcia Wagoner, Preprint No.1556, Oct 71

ASCE (Honorary Members)
Eight Elevated to Honorary Membership, CE:Oct 71: 50

ASCE (Local Sections)
Blueprint for the New ASCE Year, Samuel S. Baxter, CE:Jan 71:43
Construction Course for Junior High Schools, Donald G. Lux and Willis E. Ray, CE:May 71:37
Engineering Career Counseling and Education, Ernest C. James and Orville Abbot, CE:Jan 70:71
TR:136:128
Four Freeway Fallacies, San Francisco Section, ASCE Highway Technical Division Task Force, Henry K. Evans, Chairman, CE:Mar 71:72
Dsc: Carl Zweben, CE:Sept 71:54
Local Sections and Social Action: How It Stands, Charles Hemming, CE:Nov 70:33
TR:136:1109
Minority Training Programs Lurch Ahead, Suzy Fisher, CE:Sept 71:68
Unfinished Business, Arthur J. Fox, CE:Mar 71:57

ASCE (Members)
Rogers Takes Over As District 2 Director, CE:Dec 71:76
The Status Of The Associate Member In ASCE, William H. Wisely, CE:Apr 70:41
TR:136:319

ASCE (National Affairs)
Dsc, A Proposal for ASCE, Paul J. Theuer, CE:Oct 71:38

ASCE (Officers)
ASCE Installs New Officers in St. Louis, CE:Oct 71: 48

ASCE (Outstanding Civil Engineering)
Dsc, Landmark Designated During Phoenix Meeting, CE:Mar 71:85

ASCE (Policy)
The Alternative to Unionism, William H. Wisely, CE: Feb 71:43
Dsc: Christopher P. Kittides, CE:May 71:59; Stanley I. Hart, CE:May 71:78; Edward A. Bryant, CE:May 71:78
ASCE and Social Issues, Oscar S. Bray, CE:May 71: 58
Dsc: Warren E. Howland, CE:Sept 71:93; Robert A. May, CE:Dec 71:42
ASCE's New President Outlines a Suggested Course, Oscar S. Bray, CE:Dec 71:38
Proposed Environmental Quality Policy for ASCE, Ralph Stone, CWFE:Mar 71:373

ASCE (Presidents)
Annual Address, Samuel S. Baxter, PP1:Oct 71:5: 8466
ASCE's New President Outlines a Suggested Course, Oscar S. Bray, CE:Dec 71:38
Blueprint for the New ASCE Year, Samuel S. Baxter, CE:Jan 71:43
Challenges for ASCE, Samuel S. Baxter, CE:July 71: 67
TR:136:1334

ASCE (Professional Activities)
ASCE and Social Issues, Oscar S. Bray, CE:May 71: 58
Dsc: Warren E. Howland, CE:Sept 71:93; Robert A. May, CE:Dec 71:42
ASCE'S Response to the Spencer Proposals, Alfred Board of Direction,ASCE, CE:Aug 70:46
TR:136:613
Economic Status - The Engineer's Dilemma, Alfred R. Golze, Preprint No.1493, July 71
Social Responsibilities of ASCE, William H. Wisely, CE:Aug 70:45
TR:136:610

ASCE (Professional Practice)
Licensure of Planners and Its Effect on Civil Engineers, Kenneth P. Norrie, PP1:Oct 71:161: 8463
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ASCE (Public Affairs Forum)
Guidelines for Engaging in Public Affairs Activities, James W. McPhillips, PP1:Oct 71:167:8480

ASCE (Public Relations)
The Civil Engineer: Quiet Man or Spokesman?, Hadley Johnson, Jr., PP1:Oct 71:51:8467

ASCE (Registration of Engineers)
Licensure of Planners and Its Effect on Civil Engineers, Kenneth P. Norrie, PP1:Oct 71:161: 8463
Should Registration Involve Politics?, Wesley E. Haynes, CE:May 71:83

ASCE (Salaries and Fees)
Economic Status - The Engineer's Dilemma, Alfred R. Golze, Preprint No.1493, July 71

ASCE (Student Chapters)
Students Revitalize On-Campus Lake, John G. Gonzales and Paul A. Ferrari, CE:June 71:38

ASCE (Younger Members)
The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78
Recycling Civil Engineering Education, William K. Johnson, CE:Oct 71:101

(ASCE) Awards & Prizes
Guide for Public Agency Professional Development, Marble J. Hensley, PP1:Sept 70:55:7553

(ASCE) Professional Activities
Black People Call for ASCE Social Action, Ralph E. Spencer, CE:Dec 69:73
Dsc: T. H. Evans, CE:Mar 70:42; Frank T. White, CE:Mar 70:42; Harold M. Maxwell, CE:Mar 70: 42; Robert Kiehl, CE:Mar 70:53; Edward P. Lewis, CE:Mar 70:42; William E. Dunn, CE: Apr 70:49; ASCE's Response to the Spencer Proposals, CE:Aug 70:46; Delon Hampton, CE: Jan 71:45; Frederick E. Jordan, CE:Jan 71:45

Asphalts
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Pavement Design and Staging for Mayan Roads, Allen F. Lubina and Robert N. Panfill, TE4:Nov 71:651:8516
Progress in Asphalt Pavement Thickness Design, Alfred W. Maner, CE:Mar 70:39
TR:136:231
Upgrading Overseas Construction Contracts, Bud A. Brakey, CE:Dec 70:48
TR:136:1216
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Assessments
Assessing Social Consequences of Water Deficiencies, William K. Johnson, IR4:Dec 71:547:8566

Astronomy
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Solar Astronavigation in High Latitudes, Gerald W. Johnson and James L. Clapp, SU1:May 71:27:8139

Atmospheric Corrosion
Factors Affecting Durability of Ferrous Metals in the Atmosphere, Francis L. LaQue, ST11:Nov 69:2385: 6890
TR:136:344

Atmospheric Density
Density Altitude Variations and Runway Length, Thomas B. Davinroy, TE4:Nov 71:591:8512

Atmospheric Pressure
Density Altitude Variations and Runway Length, Thomas B. Davinroy, TE4:Nov 71:591:8512
Evaluation of Barometric Leveling, James D. Gruendler, James L. Clapp and Paul R. Wolf, SU1: Apr 70:1:7195
TR:136:702

Attenuation
Wave Attenuation by Fluid Filled Bags, Harald D. Frederiksen, WW1:Feb 71:73:7874

Atterberg Limits
Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29: 7358
TR:136:508

Attrition (Personnel)
Management System Saves Highway Maintenance Dollars, Forrest E. Crawford, CE:Aug 71:36

XUM

Australia
Sydney Opera House, O. N. Arup and Gerd J. Zunz, CE:Dec 71:50

Automatic Control
Development of Automation on Salt River Project, Henry Shipley, IR2:June 70:151:7373 TR:136:918

Automatic Welding
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, J. E. Hinkel, Preprint No.1418, Apr 71

Automation
Automated Design of Frame Structures, Dag Kavlie and Johannes Moe, ST1:Jan 71:33:7823
Automated Optimum Design from Discrete Components, Aldo Cella and Robert D. Logcher, ST1:Jan 71:175:7845
Automation for Small Irrigation Projects, Theodore E. Mann, Preprint No.1289, Jan 71
Automation For Small Irrigation Projects, Theodore E. Mann, IR3:Sept 71:501:8344
Automation of Surface Irrigation Systems, Howard R. Haise and Gordon E. Kruse, IR4:Dec 69:503:6969 TR:136:248
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050 TR:136:825
Computer Controls for Aqueduct Operation, Alfred R. Golze, PL1:Oct 68:19:6145 TR:136:536
Design Processes and Computer Methodology, Tung Au, Preprint No.1369, Apr 71
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Illinois Central Suburbar Automated Revenue Collection System, Leonard A. West, TE1:Feb 71: 117:7872
Mechanical Structures for Farm Irrigation, Allan S. Humpherys, IR4:Dec 69:463:6944 TR:136:102
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Procedure for Automating Aircraft Wing Structural Design, Gary L. Giles, ST1:Jan 71:99:7821
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Subsurface Irrigation Easily Automated, Sterling Davis and Sheldon D. Nelson, IR1:Mar 70:47:7135 TR:136:483
Technique for Interactive Computer Graphics in Design, Richard Douty and Sidney Shore, ST1:Jan 71:273:7837

Automobiles
Dsc, Automobile Exhaust Pollutants, James W. Hudson, CE:Nov 70:36
Dsc: Daniel H. Brown, CE:Mar 71:52
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256 TR:136:830
Four Freeway Fallacies, San Francisco Section, ASCE Highway Technical Division Task Force, Henry K. Evans, Chairman, CE:Mar 71:72
Dsc: Carl Zweben, CE:Sept 71:54
Mini Automobile-shredding Plant for Western Michigan, Charles E. Haltenhoff, CE:Apr 71:55
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Plan for Financing Urban Mass Transit Systems, Robert T. Howe, TE2:May 70:219:7286 TR:136:852
Salvaging Obsolete Autos: Systems Approach to Materials Recycling, CE:Apr 71:52
The Success of the Auto Should be a Lesson to Us, Jarold A. Kieffer, Preprint No.1505, July 71
Will Air Pollution Regulations Change Commuting Patterns?, William D. Ruckelshaus, CE:Sept 71:86

Awards
Status Report of Surveying and Mapping Division, William A. White, SU2:Nov 71:267:8532

Axial Flow
Nonlinear Flow in Porous Media by Finite Elements, Raymond Edward Volker, HY6:Nov 69:2093:6927 TR:136:336

Axial Load
Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70: 2125:7597
Diagonal Tension Cracking in Concrete Beams with Axial Forces, Alan H. Mattock, ST9:Oct 69:1887: 6776 TR:136:221
Postbuckling of Column under Distributed Axial Load, Tung-Ming Wang, TN: EM4:Aug 71:1323: 8273

Azimuth
Geodetic Computations by Electronic Computer, Gerald F. Clohecy, SU1:May 71:97:8105

Backfills
Building Damage From Expansive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, SM6:Nov 69:1325:6879 TR:136:743
Building Damage from Extensive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, PISST: pp.235-244, 1971
Structural Behavior of Concrete Arch Culvert, Raymond Eugene Davis, ST12:Dec 69:2665:6942 TR:136:430
Structures In Soil Under High Loads, Jay R. Allgood, SM3:Mar 71:565:8006

Backwater
Bridge Backwater in Wide Valleys, Emmett M. Laursen, HY4:Apr 70:1019:7246 TR:136:748
Computer Determination of Flow Through Bridges, Bill S. Eichert and John Peters, HY7:July 70:1455: 7412
Flow Analysis of Large Triangular Weit, Donn G. DeCoursey and Bruce J. Blanchard, HY7:July 70: 1435:7405
Survey of Programs for Water-Surface Profiles, Bill S. Eichert, HY2:Feb 70:547:7098 TR:136:1012

Backwater Profiles
Nonuniform Flow in Flat Rectangular Channels, Kuan M. Yao, HY9:Sept 71:1343:8369

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Bactericidal Disinfectant Testing by Micromethods, Winfred F. Maline, Theodore F. Wetzler and Lloyd G. Herman, NSCD:pp.307-318, 1971
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TR:136:891
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TR:136:1231
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Bactericidal Properties of Chlorsulfamates, John E. Delaney and J. Carrell Morris, NSCD:pp.61-84, 1971

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Drag Forces on Baffle Blocks in Hydraulic Jump, David R. Basco and John R. Adams, HY12:Dec 71: 2023:8599
Energy Dissipators for Large Culverts, Thomas C. MacDonald, HY6:Nov 69:1941:6893
TR:136:514

Ballistics
Impactive Dynamic Analysis, Manuel A. Suarez, Preprint No.1406, Apr 71

Bandwidth
Bandwidth Minimization of Stiffness Matrices, James G. Crose, TN: EM1:Feb 71:163:7858

Bank Storage
Nonsteady Flow to Surface Reservoir, William Wen-Gong Yeh, HY3:Mar 70:609:7137
TR:136:958

Barges
Barge-Coal Handling at A.S. King Generating Plant, Arthur V. Dienhart and Norris R. Fitch, PO3:June 70:299:7322
TR:136:500
Barge Tow Traffic Simulation Models, Patrick H. Carigan, Preprint No.1479, July 71
The Cross-Florida Barge Canal: A Lesson in Ecology, Suzy Fisher, CE:Apr 71:44
Innovations in Barge Transportation on Columbia River, W. E. Torget and Rowena Funston, WW2: May 70:411:7290
TR:136:968
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203
Ocean Tug-Barge Systems, L. R. Glosten, Preprint No.1423, July 71
Planning Industrial Areas for Barge Ports, E. A. Brinkman and George F. West, Preprint No.1566, Oct 71
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Replacement-Lock and Dam No. 26: Lock Capacity Procedure and Scope, Anson G. Eickhorst and DuWayne A. Koch, WW1:Feb 70:15:7094
TR:136:445
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TR:136:507

Barometers
Barometric Leveling Analysis, James D. Gruendler, Frederick P. Thomack and James L. Clapp, Preprint No.1336, Jan 71

Barriers
Concrete Median Barrier Safely Redirects Impacting Vehicles, Edwin C. Lokken, CE:Oct 71:77
Designing Fail-Safe Structures of Highway Safety, Flory J. Tamanini, TE2:May 71:305:8150
Wave Attenuation by Fluid Filled Bags, Harald D. Frederiksen, WW1:Feb 71:73:7874

Bars
Upper Bounds in Complementary Energy Method, Cenap Oran, EM4:Aug 71:1093:8289

Bart
Analysis of BART Impacts on Bay Area Land Use, Douglass B. Lee, Jr., Preprint No.1431, July 71
BART Demonstration Program, David G. Hammond, TE4:Nov 71:627:8508

Base Flow
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71

Bathymetry
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Tidal Motion in Bays, Omar H. Shemdin and R. M. Forney, 12CEC:pp.2225-2242, 1971

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TR:136:1296
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XUM

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Beam Columns
Approximate Solution of Beam-columns, Wai F. Chen, TN: ST2:Feb 71:743:7861
Beam Columns on Elastic Foundations, Sridhara D.N. Murthy and Archibald N. Sherbourne, TN: EM3:June 71:1033:8160
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Column Web Strength in Steel Beam-to-Column Connections, Wai F. Chen and David E. Newlin, Preprint No.1524, Oct 71
Concrete Column Design by AASHO Specifications, Hans H. Fickel, ST4:Apr 71:1187:8070
Free Vibration of Stochastic Beam-Column, Masaru Hoshiya and Haresh C. Shah, EM4:Aug 71:1239:8331
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1399:8094
Nonlinear Formulations of Beam-Column Effects, Frank Baron and Mahadeva S. Venkatesan, ST4:Apr 71:1305:8080
Reinforced Concrete Beam-Column Connection, Eric F.P. Burnett and Rajendra P. Jajoo, ST9:Sept 71:2315:8395
Southwell Plot for Beam-Columns, Robert H. Leicester, EM6:Dec 70:945:7750 TR:136:1260
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108

Beams (Structural)
Optimum Beam Layout for Large Areas, Paul Grundy, ST8:Aug 71:2085:8304
Plastic Analysis of Transversely Loaded Frames, Neil Jackson, ST8:Aug 71:2047:8284
Simulated Seismic Loading of Spandrel Beams, Thomas Paulay, ST9:Sept 71:2407:8365

Beams (Supports)
Alternative Approach to Light-Gage Beam Design, James Rhodes and James M. Harvey, ST8:Aug 71:2119:8327
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807:7961
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873 TR:136:669
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173 TR:136:616
Behavior of Fiber Glass Reinforced Concrete Beams, Edward G. Nawy, Gary E. Neuwerth and Charles J. Phillips, ST9:Sept 71:2203:8353
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842 TR:136:314
Box Girder Model Studies, Dennis E. Myers and Peter B. Cooper, ST12:Dec 69:2845:6966 TR:136:449
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196
Composite Beams with Partial Connection, Hugh Robinson and I. W. Wallace, Preprint No.1549, Oct 71
Concrete Beams in Bending, Torsion and Shear, Arthur E. McMullen and Joseph Warwaruk, ST5:May 70:885:7270 TR:136:1255
Coupling Beams of Reinforced Concrete Shear Walls, Thomas Paulay, ST3:Mar 71:843:7984
Creep and Shrinkage in Reinforced Concrete Beams, Tuck Wah Leong and Robert F. Warner, ST3:Mar 70:509:7150 TR:136:607
Creep Deflection of Reinforced Concrete Beams, Charles A. Miller and Sidney A. Guralnick, ST12:Dec 70:2625:7768
Deflection Analysis for Shakedown, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1359:7403 TR:136:961
Deformations of Geometrically Imperfect Beams, Nicholas S. Trahair, ST7:July 69:1475:6682 TR:136:179
Design of Cylindrical Concrete Water Tanks, Harvey C. Olander, ST5:May 70:947:7303 TR:136:924
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
Diagonal Tension Cracking in Concrete Beams with Axial Forces, Alan H. Mattock, ST9:Oct 69:1887:6776 TR:136:221
Effects of Creep and Shrinkage on Prestressed Concrete Columns, William J. Wilhelm and Paul Zia, ST10:Oct 70:2103:7614

Eigenvalue Analysis of Structures by Folding Force, Itio Hirai and Torazo Yoshimura, EM6:Dec 70: 1081:7728
TR:136:1301
Elastic Behavior of Biaxially Loaded Steel Columns, Ishwar C. Syal and Satya S. Sharma, ST3:Mar 70: 469:7143
TR:136:593
Elastic Lateral Buckling of Stepped I-Beams, Nicholas S. Trahair and Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Elastic Stability of Continuous Beams, Nicholas S. Trahair, ST6:June 69:1295:6632
TR:136:138
Estimating Beam Size, Adrian J. Perez, CE:Dec 71: 67
Euler Beams on a Two Parameter Foundation Model, Milton E. Harr, John L. Davidson, Da-Min Ho, Luis E. Pombo, S. V. Ramaswamy and John C. Rosner, SM4:July 69:933:6651
TR:136:816
Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70: 573:7159
TR:136:834
Failure Probabilities of Reinforced Concrete Beams, James F. Costello and Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238
Fatigue Tests of Beams with Rectangular Web Holes, Ronald W. Frost and Robert E. Leffler, SM2:Feb 71:509:7913
Fatigue Tests of Prestressed Concrete I-Beams, John M. Hanson, Cornie L. Hulsbos and David A. VanHorn, ST11:Nov 70:2443:7705
Flexural Members with Confined Concrete, Dudley Charles Kent and Robert Park, ST7:July 71:1969: 8243
Free Vibration of Two-Dimensional Frameworks, Karl-Robert Leimbach and Donald McDonald, ST2: Feb 70:267:7082
TR:136:558
Frequencies of Beams with Elastic Warping Restraint, Paul Christiano and Larry Salmela, TN: ST6:June 71:1835:8164
Fundamental Frequencies of Axially Moving Beams, Chien-Yung Wei and John Peddieson, Jr., TN: EM4:Aug 71:1343:8273
Further Studies of Inelastic Beam-Column Problem, Wai F. Chen, ST2:Feb 71:529:7922
General Solution of Inelastic Beam-Column Problem, Wai F. Chen, EM4:Aug 70:421:7482
TR:136:957
Higher Mode Buckling of Bimetallic Beam, David Burgreen and David Regal, EM4:Aug 71:1045:8305
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71: 1399:8094
Horizontally Curved Bridges Subject to Moving Load, Paul P. Christiano and Charles G. Culver, ST8:Aug 69:1615:6713
TR:136:94
Inelastic Flexural-Torsional Buckling, Alois J. Hartmann, EM4:Aug 71:1103:8294
Dsc, Inspector vs. Quality Engineer, John P. Jackson, CE:Oct 70:52
Dsc: Thaddeus J. Prorok, CE:Feb 71:55; H. J. Walter, CE:Feb 71:55
Local Plastic Buckling of A514 Steel Members, John F. McDermott, ST9:Sept 69:1837:6761
TR:136:204
Lumped Parameter Beams Based on Impedance Methods, Vernon H. Neubert, Hong T. Hahn and Hae Lee, EM1:Feb 70:69:7099
TR:136:544
Nonlinear Bending of Bars, Imamuddin Khwaja, TN: EM1:Feb 71:137:7858
Nonuniform Torsion of Composite Beams, Paul F. McManus and Charles G. Culver, ST6:June 69: 1233:6623
TR:136:10
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Penetration of Beam on Plastic Foundation, Robert J. Green, TN: EM6:Dec 71:1769
Photoelastic Study of Beams on Elastic Foundations, August J. Durelli, Vincent J. Parks, Carson K.C. Mok and Han-Chow Lee, ST8:Aug 69:1713:6739
TR:136:110
Plastic Behavior of Beams with Reinforced Holes, Judith G. Congdon and Richard G. Redwood, ST9: Sept 70:1933:7561
TR:136:1043
Plastic Bending of A514 Steel Beams, John F. McDermott, ST9:Sept 69:1851:6762
TR:136:212
Point-Matching Analysis of Curved Timber Beams, Ricardo O. Foschi, ST1:Jan 70:35:6998
TR:136:522
Post Lateral Buckling Behavior of Beams, Gerald Zamost and E. Russell Johnston, Jr., EM4:Aug 71: 1133:8313
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TR:136:133
Reinforcement for Torque in Spandrel L-Beams, Umakanta Behera, K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
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TR:136:597
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TR:136:475
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TR:136:421
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TR:136:119
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TR:136:1184
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TR:136:969
Shear Strength of Reinforced Concrete Beams, Bengt B. Broms, ST6:June 69:1339:6636
TR:136:148
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TR:136:1260
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TR:136:84
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Strength of Concrete Filled Steel Tubular Columns, Robert B. Knowles and Robert Park, ST12:Dec 69: 2565:6936
TR:136:752
Strength of Steel Columns with Biaxially Eccentric Load, Satya S. Sharma and Edwin H. Gaylord, ST12:Dec 69:2797:6960
TR:136:457
Stress Distribution in Castellated Beams, James A. Mandel, Paul J. Brennan, Benjamin A. Wasil and Charles M. Antoni, ST7:July 71:1947:8260

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Thermal Buckling of a Bimetallic Beam, David Burgreen and Phillip J. Manitt, EM2:Apr 69:421: 6509
TR:136:745
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TR:136:623
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TR:136:577
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Torsion, Shear, and Bending on Stirruped L-Beams, Umakanta Behera and Phil M Ferguson, ST7:July 70:1271:7419
Two Nonlinear Beams with Definitions of Ductility, Melbourne F. Giberson, ST2:Feb 69:137:6377
TR:136:799
Ultimate Load Tests on Braced Multistory Frames, Joseph A. Yura and Le-Wu Lu, ST10:Oct 69:2243: 6840
TR:136:307
Variational Approach to Beams on Elastic Foundations, N. S. V. Kameswara Rao, Y. C. Das and M. Anandakrishnan, EM2:Apr 71:271:8034
Vibration of Structures Having Changing Boundaries, Manuel A. G. Silva and Leon M. Keer, EM3:June 71:1007:8220
Vibration of Support Excited Tubes in Coaxial Flow, Stanley A. Knudson and Gerald S. Smith, EM6: Dec 70:1039:7775
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TR:136:459
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TR:136:1313

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Analysis of Load-Bearing Fills over Soft Subsoils, James K. Mitchell and William S. Gardner, SM11: Nov 71:1549:8522
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Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241
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TR:136:1267
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TR:136:847
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TR:136:807
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TR:136:1005
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TR:136:1318
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TR:136:825

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TR:136:478

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TR:136:1041

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TR:136:954
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TR:136:326
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XUM

Bentonite
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TR:136:959
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TR:136:90

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TR:136:745

Biochemical Oxygen Demand
Aerated Lagoons Treat Minnesota Town's Wastes, James B. Neighbor, CE:Dec 70:59
Dsc: Santosh R. Goswami, CE:July 71:40
Biokinetic Evaluation of BOD Concepts and Data, William E. Gates and Sambhunath Ghosh, SA3: June 71:287:8184
Hydraulically Ventilated Underground Filter, David K. Hills and Ray B. Krone, SA6:Dec 71:851:8596
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TR:136:425
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TR:136:784

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Biological Treatment
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Biology
Kinetic Analysis of Data from Biological Systems, Robert L. Irvine and Donald J. Schaezler, SA4:Aug 71:409:8323

Blast Effects
Blast Loaded Buried Arches, Jimmy P. Balsara, EM1: Feb 70:1:7058
TR:136:478

Blasting
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71: 2519:8443
Field Tests of Ice Jam Prevention Techniques, Julius H. Moor and Carl H. Watson, HY6:June 71:777: 8179
Flathead Railroad Tunnel Construction, Hans Sacrison, CO1:Mar 71:127:8009
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TR:136:13
River Diversion for Boundary Dam, Adolf A. Schilling, PO3:June 70:319:7339
TR:136:1027

XUM

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Blast Loads
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TR:136:478
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Blocking
Effect Of Side Walls On Flow Past Bluff Bodies, Thomas L. Shaw, HY1:Jan 71:65:7788

Blocks
Drag Forces on Baffle Blocks in Hydraulic Jump, David R. Basco and John R. Adams, HY12:Dec 71: 2023:8599

Boats
Planning for Pleasure Boating on Regional Basis, Ellsworth J. Gullidge and Frank J. Urabeck, WW3: Aug 70:583:7453
TR:136:1041

Boilers
St. Louis Power Plant to Burn City Refuse, F. E. Wisely, G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59

Bolted Joints
Bolted Connections with Varied Hole Diameters, Zaher Shoukry and William Thomas Haisch, ST6: June 70:1105:7349
TR:136:954
Connections in Thin Low-ductility Steels, Asfandiar K. Dhalla, Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442
Eccentrically Loaded Bolted Connections, Sherwood F. Crawford and Geoffrey L. Kulak, ST3:Mar 71: 765:7956
Fatigue of A514 Steel in Bolted Connections, Peter C. Birkemoe, Donald F. Meinheit and William H. Munse, ST10:Oct 69:2011:6811
TR:136:255
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997

Bolts
Bolted Galvanized Bridges-Engineering Acceptance Near, Peter C. Birkemoe and D. C. Herrschaft, CE: Apr 70:42
TR:136:326
Eccentrically Loaded Bolted Connections, Sherwood F. Crawford and Geoffrey L. Kulak, ST3:Mar 71: 765:7956
Effect of Surface Coatings and Exposure on Slip, James H. Lee, Colin O'Connor and John W. Fisher, ST11:Nov 69:2371:6889
TR:136:337
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TR:136:1049

Bonding
Analysis of Dowel Action, David W. Johnston and Paul Zia, ST5:May 71:1611:8147
Arch Action and Bond in Concrete Shear Failures, Ramnath N. Swamy, Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338
Bonded Concrete Overlays, Raouf Sinno and Howard L. Furr, ST8:Aug 70:1627:7450
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TR:136:200

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TR:136:860

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TR:136:710
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TR:136:871
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TR:136:819

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TR:136:449
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Shear Lag in Stiffened Box Girders, David J. Malcolm and Richard G. Redwood, ST7:July 70: 1403:7409
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TR:136:999

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TR:136:842

Box Girders
Behavior Under Load of Composite Box-Girder Bridges, Alan H. Mattock and Sterling B. Johnston, ST10:Oct 68:2351:6168
TR:136:645

Bracing
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
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TR:136:240
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TR:136:1095

Brick Construction
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Bricks
Hypothesis for Shear Failure of Brickwork, Bryan Stafford Smith and Clifford Carter, ST4:Apr 71: 1055:8029
Reinforced Masonry Bearing Walls Used in 13-Story Buildings, Robert F. Higgins, CE:Nov 70:40
TR:136:994
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593: 8143

Brick Structures
Hypothesis for Shear Failure of Brickwork, Bryan Stafford Smith and Clifford Carter, ST4:Apr 71: 1055:8029

Bridge Abutments
Bridge Design Considering Scour and Risk, Emmett M. Laursen, TE2:May 70:149:7262
TR:136:432

Bridge Approaches
Chesapeake Bay Bridge Substructure, Kristian Tonning, Preprint No.1398, Apr 71
New Highway Bridge Dimensions for Safety, John N. Clary, TE2:May 71:371:8152
Redesign Modernizes Old Bridge, Jim D. King and Harry R. Powell, CE:Nov 70:37
TR:136:1074
Three Support Systems Used to Build Bridge Substructure, Kristian Tonning, CE:Dec 71:43

Bridge Construction
Three Support Systems Used to Build Bridge Substructure, Kristian Tonning, CE:Dec 71:43

Bridge Decks
Bonded Concrete Overlays, Raouf Sinno and Howard L. Furr, ST8:Aug 70:1627:7450

Bridge Failure
Inspect Bridges Now, Avoid Problems Later, Chester F. Comstock, CE:Nov 71:66

Bridge Foundations
Designing Computer Programs for Bridge Foundations, E. F. Roberts and M. Lohrmann, CE: Dec 71:64

Bridge Piers
Analytical Model for Prediction of Ice-Structure Interaction, Hudson Matlock, William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
Computer Determination of Flow Through Bridges, Bill S. Eichert and John Peters, HY7:July 70:1455:7412

Bridges (Arch)
Timber-Arch Falsework for Concrete Arch Bridges, E. George Stern, CE:Feb 70:44
TR:136:184

Bridges (Box Girder)
Analysis of Horizontally Curved Box Girder Bridges, Kuang-Han Chu and Suresh G. Pinjarkar, ST10:Oct 71:2481:8453
Concrete Box-Girder Bridges as Sandwich Plates, J. G. Arendts and Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603
Montreal Boasts Cable-Stayed Bridge, Jean-Guy Demers and Ole Simonsen, CE:Aug 71:59
Railway Box-girder Bridge Erected by Launching, Jackson L. Durkee, Preprint No.1416, Apr 71

Bridges (Cable-Stayed)
Analysis of Cable-Stayed Girder Bridgev, Man-Chung Tang, ST5:May 71:1481:8116
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Bridges (Cantilever)
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70:593:7591
TR:136:1140

Bridges (Concrete)
Concrete Box-Girder Bridges as Sandwich Plates, J. G. Arendts and Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Epoxy Injections Repair Historic Prestress Concrete Bridge, Henry G. Garfield, CE:Mar 71:39
Dsc: James R. Libby, CE:Aug 71:38
Hyperbolic Functions for Prestress Loss and Camber, Raouf Sinno and Howard L. Furr, ST4:Apr 70:803:7227
TR:136:876
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Prestressed Concrete Developments Around the World, Ben C. Gerwick, Jr., CE:Dec 70:55
TR:136:1234

Bridges (Decking)
Analysis of Orthotropic Steel Plate Bridge Decks, Graham H. Powell and David W. Ogden, ST5:May 69:909:6563
TR:136:1103
Bridge Deck Deterioration and Crack Control, Joseph P. Callahan, James L. Lott and Clyde E. Kesler, ST10:Oct 70:2021:7579
TR:136:1157
Horizontal Thermal Movement of Curved Bridge Decks, Heinz G. Juhl, ST10:Oct 70:2037:7590
Redesign Modernizes Old Bridge, Jim D. King and Harry R. Powell, CE:Nov 70:37
TR:136:1074

Bridges (Girder)
Analysis of Curved Girder Bridges, Lansford C Bell and Conrad P Heins, Jr., ST8:Aug 70:1657:7462
Analysis of Multibeam Bridges, Graham H. Powell, Amitava Ghose and Ian G. Buckle, ST9:Sept 69:1953:6796
TR:136:1090
Analysis of the Southern Crossing Cable-stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1402, Apr 71
Analysis of Three Dimensional Thin-Walled Structures, Bharat L. Mehrotra, Aftab A. Mufti and Richard G. Redwood, ST12:Dec 69:2863:6968
TR:136:465
Box Girder Model Studies, Dennis E. Myers and Peter B. Cooper, ST12:Dec 69:2845:6966
TR:136:449
Design of the Southern Crossing Cable Stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1352, Jan 71
Dynamic Response of the Huyck Stream Bridge, William L. Armstrong, Preprint No.1569, Oct 71
Fracture Analysis of King's Bridge, Melbourne, Ronald B. Madison and George R. Irwin, ST9:Sept 71:2229:8377
Impact from Railway Loading on Steel Girder Spans, William G Byers, ST6:June 70:1093:7341
TR:136:932
Progress Report on Steel Box Girder Bridges, Subcommittee on Box Girders of the ASCE-AASHO Task Committee on Flexural Members, Theodore V. Galambos, Chmn., ST4:Apr 71:1175:8068
Shear Lag in Stiffened Box Girders, David J. Malcolm and Richard G. Redwood, ST7:July 70:1403:7409
Static Model Tests of Curved Girder Bridge, Charles G. Culver and Paul P. Christiano, ST8:Aug 69:1599:6712
TR:136:84

Bridges (Highway)
Errors in Step Wise Solutions to Bridge Vibrations, David R. Schelling, ST10:Oct 70:2045:7600
TR:136:1192
Inspect Bridges Now, Avoid Problems Later, Chester F. Comstock, CE:Nov 71:66
Life Expectancy of Highway Bridges to Vehicle Loads, Chi Chao Tung, EM6:Dec 69:1417:6976
TR:136:463
Tubular Sections in Highway Structures, Richard N. White, HW2:Nov 68:161:6227
TR:136:706

Bridges (Orthotropic)
Effective Width of Steel Deck-Plate in Bridges, George Abdel-Sayed, ST7:July 69:1459:6673
TR:136:516

Bridges (Piers)
Chesapeake Bay Bridge Substructure, Kristian Tonning, Preprint No.1398, Apr 71
Concrete Column Design by AASHO Specifications, Hans H. Fickel, ST4:Apr 71:1187:8070
Eddy Formation Behind Circular Cylinders, Alan D. K. Laird, HY6:June 71:763:8170
Longest Prestressed Girders for New York City Bridge, Robert Cuccioli, CE:Apr 71:72
Montreal Boasts Cable-Stayed Bridge, Jean-Guy Demers and Ole Simonsen, CE:Aug 71:59
New Highway Bridge Dimensions for Safety, John N. Clary, TE2:May 71:371:8152
Prestressed Concrete for County Bridge Solves Maintenance Problems, Frank J. Brechting, Jr., CE:June 70:74
TR:136:562
Three Support Systems Used to Build Bridge Substructure, Kristian Tonning, CE:Dec 71:43

XUM

Bridges (Railroad)
Eads Bridge Repaired by Jacking, Bernard H. Spinner, CE:June 71:50
Load Distribution in Steel Railway Bridges, Wallace W. Sanders, Jr. and William H. Munse, ST12:Dec 69:2763:6952
TR:136:435
Long-Span Steel Deck Railroad Bridge, R. Wolchuk and J. C. Bridgefarmer, CE:Apr 70:71
TR:136:286
Railway Box-girder Bridge Erected by Launching, Jackson L. Durkee, Preprint No.1416, Apr 71
Recorded Stress Histories in Railroad Bridges, Freeman P. Drew, ST12:Dec 68:2713:6288
TR:136:776
Response of Beams and Plates to Moving Loads, D. M. Yoshida and William Weaver, Jr., Preprint No.1366, Apr 71

Bridges (Steel)
Inspection of Steel Bridges For Fatigue Damage, by the Subcommittee on Inspection of Steel Bridges for Fatigue of the Task Committee on Structural Fatigue of the Structural Division, Ivan M. Viest, Chmn., ST8:Aug 71:2107:8321
A Kansas County Replaced Old Bridges Economically, John W. Frazier, CE:Jan 70:68
TR:136:68
Load Distribution in Steel Railway Bridges, Wallace W. Sanders, Jr. and William H. Munse, ST12:Dec 69:2763:6952
TR:136:435
Progress Report on Steel Box Girder Bridges, Subcommittee on Box Girders of the ASCE-AASHO Task Committee on Flexural Members, Theodore V. Galambos, Chmn., ST4:Apr 71:1175:8068
Railway Box-girder Bridge Erected by Launching, Jackson L. Durkee, Preprint No.1416, Apr 71

Bridges (Structures)
Analysis of Cable-Stayed Girder Bridgev, Man-Chung Tang, ST5:May 71:1481:8116
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70:593:7591
TR:136:1140
Analysis of Horizontally Curved Box Girder Bridges, Kuang-Han Chu and Suresh G. Pinjarkar, ST10:Oct 71:2481:8453
Automatic Drafting System Aids Wisconsin Bridge Design, Leon J. Schuchardt, CE:Feb 70:38
TR:136:164
Behavior Under Load of Composite Box-Girder Bridges, Alan H. Mattock and Sterling B. Johnston, ST10:Oct 68:2351:6168
TR:136:645
Bolted Galvanized Bridges-Engineering Acceptance Near, Peter C. Birkemoe and D. C. Herrschaft, CE:Apr 70:42
TR:136:326
Box Girder Model Studies, Dennis E. Myers and Peter B. Cooper, ST12:Dec 69:2845:6966
TR:136:449
Bridge Backwater in Wide Valleys, Emmett M. Laursen, HY4:Apr 70:1019:7246
TR:136:748
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Bridge Engineer Looks at Esthetics of Structures, Reece H. Wengenroth, ST4:Apr 71:1227:8074
Cable-Stayed Bridges - A State of the Art, Walter Podolny, Jr. and John F. Fleming, Preprint No.1346, Jan 71
Concrete Box-Girder Bridges as Sandwich Plates, J. G. Arendts and Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
Criteria for Heat Curving Steel Beams and Girders, Roger L Brockenbrough, ST10:Oct 70:2209:7638
TR:136:1058
Design of the Southern Crossing Cable Stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1352, Jan 71
Design Requirements for Safer Highway Bridge Rails, Robert M. Olson, Edward R. Post and Don L. Ivey, TE2:May 71:291:8125
Dynamic Response of the Huyck Stream Bridge, William L. Armstrong, Preprint No.1569, Oct 71
Eigenvalue Analysis of Structures by Folding Force, Itio Hirai and Torazo Yoshimura, EM6:Dec 70:1081:7728
TR:136:1301
Epoxy Injections Repair Historic Prestress Concrete Bridge, Henry G. Garfield, CE:Mar 71:39
Dsc: James R. Libby, CE:Aug 71:38
Experimental Stresses and Strains from Heat Curving, Roger L. Brockenbrough and Kenneth D. Ives, ST7:July 70:1305:7400
TR:136:989
Field Tests of Aluminum Orthotropic Bridge Deck, Maurice L. Sharp, ST11:Nov 69:2463:6920
TR:136:382
Handsome Civil Engineering Structures, CE:May 70:56
Dsc: Postcript to Handsome Structures Article, CE:Apr 71:96
TR:136:420
Historical Heritage Preservation Through Renewal, Philip M. Botch and Marcia Wagoner, Preprint No.1556, Oct 71
Horizontally Curved Bridges Subject to Moving Load, Paul P. Christiano and Charles G. Culver, ST8:Aug 69:1615:6713
TR:136:94
Horizontal Thermal Movement of Curved Bridge Decks, Heinz G. Juhl, ST10:Oct 70:2037:7590
A Kansas County Replaced Old Bridges Economically, John W. Frazier, CE:Jan 70:68
TR:136:68
Load Distribution in Steel Railway Bridges, Wallace W. Sanders, Jr. and William H. Munse, ST12:Dec 69:2763:6952
TR:136:435
Longest Prestressed Girders for New York City Bridge, Robert Cuccioli, CE:Apr 71:72
Mechanical Properties of Structural Cables, John B. Scalzi and William K. McGrath, ST12:Dec 71:2837:8604
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603
Montreal Boasts Cable-Stayed Bridge, Jean-Guy Demers and Ole Simonsen, CE:Aug 71:59
New Highway Bridge Dimensions for Safety, John N. Clary, TE2:May 71:371:8152
Overloads on Japan's 130 mph Railroad Structures, Tatsuo Nishiki and Shunta Shiraishi, ST6:June 70:1017:7325
TR:136:945
Parallel Processing Approach to Bridge Planning, Andrew K.C. Wong and Tung Au, ST1:Jan 71:115:7822
Prestressed Concrete for County Bridge Solves Maintenance Problems, Frank J. Brechting, Jr., CE:June 70:74
TR:136:562
Redesign Modernizes Old Bridge, Jim D. King and Harry R. Powell, CE:Nov 70:37
TR:136:1074
Research On Steel-Concrete Composite Beams, R. Paul Johnson, ST3:Mar 70:445:7122
TR:136:597
Saint Louis Bay Bridge, Richard E. Whitaker, CO2:Oct 70:149:7588
TR:136:1111
Shakedown Tests on Steel Bars and Beams, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1287:7395
TR:136:969
Stability Problems of Wood Truss Bridge, Oscar M. Hahn, ST2:Feb 70:353:7095
TR:136:804

Static Model Tests of Curved Girder Bridge, Charles G. Culver and Paul P. Christiano, ST8:Aug 69: 1599:6712
TR:136:84
Stress Distribution in Castellated Beams, James A. Mandel, Paul J. Brennan, Benjamin A. Wasil and Charles M. Antoni, ST7:July 71:1947:8260
Structural Timber Research at Forest Products Lab, Fred Werren, ST12:Dec 69:2891:6980
TR:136:491
Temporary Bypass Bridge Designed for Salvage, Alfred R. Pagan, CE:Mar 70:51
Disc: C. F. Hamlin, CE:Sept 70:72
TR:136:267
Theoretical Stresses and Strains from Heat Curving, Roger L Brockenbrough, ST7:July 70:1421:7410
TR:136:1005
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71
What's a Tall Building?, Lynn S. Beedle and Le-Wu Lu, Preprint No.1553, Oct 71
The 1970's: Civil Engineering Forecast-Part I, Kneeland A. Godfrey, Jr., CE:Apr 70:68
TR:136:278

Bridges (Suspension)
Airfoil and Bridge Deck Flutter Derivatives, Robert H. Scanlan and John J. Tomko, EM6:Dec 71:1717: 8609
Design and Construction of Newport Bridge, Alfred Hedefine and Herbert M. Mandel, ST11:Nov 71: 2635:8529
Field Observation of Tagus River Suspension Bridge, Jose Marecos, Mario Castanheta and J. Teixeira Trigo, ST4:Apr 69:555:6492
TR:136:675
Inelastic Stiffened Suspension Space Structures, John J. Jonatowski and Charles Birnstiel, ST6:June 70: 1143:7364
TR:136:919
Main Cables of Newport Suspension Bridge, Blair Birdsall, ST12:Dec 71:2825:8606
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Newport Suspension Bridge, Alfred Hedefine and Louis G. Silano, CE:Aug 70:64
Disc: Juhani Virola, CE:Jan 71:59
TR:136:670
Point Pleasant Bridge Collapse-Conclusions of the Federal Study, Charles F. Scheffey, CE:July 71:41
Point Pleasant Bridge Collapse Mechanism Analyzed, Daniel Dicker, CE:July 71:61
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71

Bridge Towers
Montreal Boasts Cable-Stayed Bridge, Jean-Guy Demers and Ole Simonsen, CE:Aug 71:59

Bridging
Arch Action and Bond in Concrete Shear Failures, Ramnath N. Swamy, Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338

Brightness
High-mount Interchange Lights, Richard C. LeVere, CE:May 71:44

Brines
Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, Preprint No.1299, Jan 71

Brittle Fractures
Theory of Brittle Fracture Applied to Soil Cement, Kalankamary P. George, SM3:May 70:991:7301
TR:136:1145

Brittleness
Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Fracture Mechanism in Concrete: How Much do We Know?, Sandor Popovics, EM3:June 69:531: 6604
TR:136:118

Broad-Crested Weirs
Characteristics of Flow Weirs of Finite Crest Width, Singamsetti Surya Rao and Manoj Kumar Shukla, HY11:Nov 71:1807:8515

Bromates
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, NSCD:pp.37-60, 1971
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, SA5:Oct 71: 617:8425

Bromine
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Status of Methods for Halogen Determination (Br-Cl), Frank W. Sollo, Jr., Florence F. McGurk and Thurston E. Larson, NSCD:pp.245-267, 1971

Bubbles
Movement of Small Gas Bubbles in Smoothly Decelerating Liquid, Subba Rao Gutti, HY7:July 71:117:8251

Buckling
Alternative Approach to Light-Gage Beam Design, James Rhodes and James M. Harvey, ST8:Aug 71: 2119:8327
Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70: 2125:7597
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Buckling and Post-Buckling of Spherical Caps, Nuri Akkas and Nelson R. Bauld, Jr., EM3:June 71:727: 8189
Buckling and Vibrations of Polygonal and Rhombic Plates, Sanford B. Roberts, EM2:Apr 71:305:8030
Buckling Loads of Nonuniform Columns, Chiyyarath V. Girijavallabhan, ST11:Nov 69:2419:6908
TR:136:356
Buckling of Anisotropic Composite Plates, Christos C. Chamis, ST10:Oct 69:2119:6799
TR:136:244
Buckling of Axially Loaded Cylindrical Panels, Pan San Hsueh and Alexander Chajes, EM3:June 71: 919:8210
Buckling of Clamped Rectangular Plates, Lotfi El-Bayoumy, EM4:Aug 71:1277:8336
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Buckling of Multilayer Plates by Finite Elements, Harry R. Lundgren and Ahmed E. Salama, EM2: Apr 71:477:8051
Buckling of Open Cylindrical Shells with Imperfections, Peter Turula and Kuang-Han Chu, EM6:Dec 70:1125:7733
TR:136:1308
Buckling of Open Cylindrical Shells Under Lateral Load, Kuang-Han Chu and Peter Turula, EM6:Dec 70:1143:7736
TR:136:1315
Buckling of Plates of Abruptly Varying Stiffness, P. Paramasivam and Jawalker K. Sridhar Rao, ST6: June 69:1313:6635
TR:136:744

XUM

Buckling of Polar Orthotropic Annular Plates, K. Vijayakumar and C. V. Joga Rao, EM3:June 71: 701:8171
Buckling of Reinforced Concrete Shells, P. Harvey Griggs, EM3:June 71:687:8173
Buckling of Rhombic Plates, Patricio A. Laura and Joseph Grosson, TN: EM1:Feb 71:145:7858
Buckling of Simply Supported Folded Plates, Michel L. Mikhail and Sidney A. Guralnick, EM5:Oct 71: 1363:8414
Buckling of Simply Supported Skew Plates, Somayajulu Durvasula, EM3:June 71:967:8218
Buckling of Soil-Surrounded Tubes, James A. Cheney, EM4:Aug 71:1121:8297
Buckling of Trapezoidal Frames Permitted to Sway, Adel Helmy Salem, ST12:Dec 69:2621:6940
TR:136:416
Buckling Strength of Columns Based on Random Parameters, Bertrand T. Chung and George C. Lee, ST7:July 71:1927:8259
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
Dynamic Buckling of Shallow Arches, Robert E. Fulton and Furman W. Barton, EM3:June 71:865: 8214
Effective Width of Thin Plates in Compression, George Abdel-Sayed, ST10:Oct 69:2183:6837
TR:136:291
Elastic Buckling of Beam Flange Plates, Kuang-Han Chu and Albert J. Gouwens, TN: EM4:Aug 71: 1329:8273
Elastic Buckling of Two Component Columns, Yu-wen Hsu, EM3:June 69:611:6612
TR:136:155
Elastic Lateral Buckling of Steel Beam, Graham H. Powell and Richard Klingner, ST9:Sept 70:1919: 7555
Elastic Lateral Buckling of Stepped I-Beams, Nicholas S. Trahair and Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Experimental Study of Lateral Buckling of Arches, Frank J. Tokarz, ST2:Feb 71:545:7893
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71: 1399:8094
Improving Approximate Eigenvalues and Eigenvectors, Arthur R. Robinson and John F. Harris, EM2:Apr 71:457:8047
Inelastic Behavior of H-Columns Under Biaxial Bending, Gunnar A. Harstead, Charles Birnstiel and Keh-Chum Leu, ST10:Oct 68:2371:6173
TR:136:639
Inelastic Buckling of Axisymmetric Shells, James C. Hayes and Lawrence H.N. Lee, EM6:Dec 70:1107: 7765
Inelastic Flange Buckling of Curved Plate Girders, Charles G. Culver and Ghulam Nasir, ST4:Apr 71: 1239:8072
Inelastic Flexural-Torsional Buckling, Alois J. Hartmann, EM4:Aug 71:1103:8294
Initial Buckling of Channels in Compression, William H. Wittrick and Frederic W. Williams, EM3:June 71:711:8177
In-Plane Bending and Buckling of Arches, Walter J. Austin, ST5:May 71:1575:8130
Intersecting Titanium Spheres for Deep Submersibles, George F. Leon, EM3:June 71:981:8219
Lateral Buckling of Parabolic Arches with Tilting Loads, Shyam N. Shulka and Morris Ojalvo, ST6: June 71:1763:8209
Local Buckling of Tubular Steel Poles in Bending, Robert A. Fiss, Preprint No.1568, Oct 71
Local Instability of Horizontally Curved Members, Charles G. Culver and Ralph E. Frampton, ST2: Feb 70:245:7079
TR:136:553
Multistory Prefabricated Columns, German Gurfinkel, CO2:Oct 70:137:7587
Nonlinear Buckling Analysis of Sandwich Arches, Parviz Sharifi and Egor P. Popov, EM5:Oct 71: 1397:8417
Numerical Method for Elastic Stability Problems, Chiyyarath V. Girijavallabhan, ST11:Nov 71:2691: 8530
Optimum Design of Trusses for Ultimate Loads, William S. LaPay and George G. Goble, ST1:Jan 71:157:7838
Optimum Prestressed Tubular Columns, Ralph L. Barnett, ST2:Feb 70:291:7083
TR:136:564
Over-All and Local Buckling of Channel Columns, Ahmed A. Ghobarah and Wai K. Tso, EM2:Apr 69:447:6513
TR:136:71
Plastic Buckling Of Point-Loaded Spherical Shells, Stephan S-K Wang and Sanford B. Roberts, EM1: Feb 71:77:7930
Postbuckling of Column under Distributed Axial Load, Tung-Ming Wang, TN: EM4:Aug 71:1323: 8273
Post Lateral Buckling Behavior of Beams, Gerald Zamost and E. Russell Johnston, Jr., EM4:Aug 71: 1133:8313
Reticulated Space Structures, James O. Crooker and Kenneth P. Buchert, ST3:Mar 70:687:7180
TR:136:854
Rotation Capacity of Beams Under Moment Gradient, A. F. Lukey and Peter F. Adams, ST6: June 69:1173:6599
TR:136:119
Southwell Plot for Beam-Columns, Robert H. Leicester, EM6:Dec 70:945:7750
TR:136:1260
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Stability Criteria for Shallow Arches, James F. Dickie and Peter Broughton, EM3:June 71:951:8217
Stability of a Heated Plastic Column, Li-Chung Tao and Atle Gjelsvik, EM5:Oct 69:1169:6849
TR:136:802
Stability of Shells by Parametric Differentiation, S. K. Radhamohan, Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216
Thermal Buckling of a Bimetallic Beam, David Burgreen and Phillip J. Manitt, EM2:Apr 69:421: 6509
TR:136:745
Ultimate Load Tests on Braced Multistory Frames, Joseph A. Yura and Le-Wu Lu, ST10:Oct 69:2243: 6840
TR:136:307
Ultimate Strength of Plates in Uniaxial Compression, Archibald N. Sherbourne and R. M. Korol, Preprint No.1386, Apr 71
Upper Bounds in Complementary Energy Method, Cenap Oran, EM4:Aug 71:1093:8289

Buffers

Containership Finger Pier has Unique Fender System, Warren M. Buser, CE:Apr 71:58

Building Codes

Hurricane Exposes Structural Flaws, Herbert S. Saffir, CE:Feb 71:54
Influence of Soil Conditions on Building Damage Potential During Earthquakes, H. Bolton Seed and Izzat M. Idriss, ST2:Feb 71:639:7909

Buildings

The Allowable Settlement of Structures, Hugh Q. Golder, 4PCSM:pp.171-187, 1971
Analysis of Asymmetrical Coupled Shear Walls, Arthur C. Heidebrecht and R. David Swift, ST5: May 71:1407:8100
Analysis of Curved Folded Plate Structures, Christian Meyer and Alexander C. Scordelis, ST10:Oct 71: 2459:8434
Analytical Model for Lateral Load Effect on Buildings, Bernardo J. Deschapelles, ST6:June 70: 1025:7328
TR:136:1302

Artic Research Laboratory, William H.G. Van Ness, CE:May 71:69
Dsc: Russell P. Wibbens, CE:Sept 71:93
Big Steel-Truss Roof Welded on Ground, Lifted into Position. Gene W. Jones, CE:Oct 69:42
TR:136:6
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Building Dynamics Due to Stochastic Wind Forces, Gary C. Hart, ST3:Mar 70:535:7154
TR:136:848
Computer Methods for Building System Design, K. F. Reinschmidt, Preprint No.1356, Apr 71
Construction Self-Weight Stresses of Precast Shear Walls, Donald H. Orme, Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840
Dynamic Response of Coupled Shear Wall Buildings, A. W. Irwin and Arthur C. Heidebrecht, Preprint No.1378, Apr 71
Earthquake Design Formula Considering Local Soil Conditions, Semih S. Tezcan, ST9:Sept 71:2383:8399
Earthquake Interaction by Fast Fourier Transform, Shih-Chi Liu and Lawrence W. Fagel, EM4:Aug 71:1223:8324
Earthquake-Resistant Reinforced-Concrete Buildings, Paul Rogers, CE:Aug 71:32
Dsc: Clarence J. Derrick, CE:Dec 71:71
Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, Kneeland A. Godfrey, Jr., CE:Sept 70:73
Dsc: A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56
TR:136:740
Framed Tube Structures for High-Rise Buildings, Alexander Coull and Nutan Kumar Subedi, ST8: Aug 71:2097:8301
Free Vibration of Two-Dimensional Frameworks, Karl-Robert Leimbach and Donald McDonald, ST2: Feb 70:267:7082
TR:136:558
Handsome Civil Engineering Structures, CE:May 70: 56
Dsc: Postcript to Handsome Structures Article, CE:Apr 71:96
TR:136:420
Influence of Soil Conditions on Building Damage Potential During Earthquakes, H. Bolton Seed and Izzat M. Idriss, ST2:Feb 71:639:7909
Integrated System For RC Building Design, John M. Biggs, Peter J. Pahl and Harry N. Wenke, ST1:Jan 71:13:7816
Mat Foundation Spans Rubble Channels, L. Radley Squier, CE:Aug 70:61
TR:136:625
Measuring Building Movement by Precise Survey, J. David Reynolds and John A. Dearinger, SU1:Apr 70:87:7228
TR:136:1069
Mechanical Properties of Structural Cables, John B. Scalzi and William K. McGrath, ST12:Dec 71: 2837:8604
Moment Redistribution in Precast Concrete Frame, Harold W. Conner, Paul H. Kaar and W. Gene Corley, ST3:Mar 70:637:7168
TR:136:858
Optimum Housing Allocation Model for Urban Areas, R. S. Atkins and Edward M. Krokosky, UP1:Apr 71:41:8022
Plastic Design of Multistory Frames by Computer, George C. Driscoll, James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
TR:136:509
Plastic Design of Multistory Steel Frames by Computer, Leroy Z. Emkin and William A. Litle, ST1:Nov 70:2373:7689
Preloading for Heavy Industrial Installations, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, SM6:Nov 69:1335:6902
TR:136:253
Preloading for Heavy Industrial Installations, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, PISST:pp.321-341, 1971
Reinforced Concrete Beam-Column Connection, Eric F.P. Burnett and Rajendra P. Jajoo, ST9:Sept 71: 2315:8395
Research On Steel-Concrete Composite Beams, R. Paul Johnson, ST3:Mar 70:445:7122
TR:136:597
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Seismic Design of Soil-Structure Systems, Richard A. Parmelee and John H. Wronkiewicz, ST10:Oct 71: 2503:8437
Settlement of Buildings Constructed in Hackensack Meadows, Herbert L. Lobdell, SM4:July 70:1235: 7398
TR:136:1070
Steady-State Response of Yielding Shear Structure, Wilfred D. Iwan, EM6:Dec 70:1209:7774
Stress Distribution in Castellated Beams, James A. Mandel, Paul J. Brennan, Benjamin A. Wasil and Charles M. Antoni, ST7:July 71:1947:8260
Study of Modular Panelized Building, Paul P. Fazio, Preprint No.1419, Apr 71
Superstructure for 1,350-ft.-High World Trade Center, Lester S. Feld, CE:June 71:66
Dsc: Richard M. Stanger, CE:Dec 71:71
Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476
Treatment of Peak Gusts on Cladding, W. Alan Dalgliesh, ST9:Sept 71:2173:8356
U.S. Steel Headquarters Building, CE:Apr 70:58
TR:136:361
The 1970's: Civil Engineering Forecast-Part I, Kneeland A. Godfrey, Jr., CE:Apr 70:68
TR:136:278

Buildings (Apartment)
Precast Concrete Panels Cut Cost of Apartment Complex, Zivan Cohen, CE:May 71:48
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Structural Ground Concept and Wire Fabric Save Time and Money, Don Gehring, CE:Nov 71:50

Buildings (Codes)
Cable-Suspended Roof Construction State-of-the-Art, Subcommittee on Cable-Suspended Roof Structures of the Task Committee on Special Structures of the Committee on Metals of the Structural Division, John B. Scalzi, Chmn., ST6:June 71:1715:8190
Consistent Partial Safety Factors, Niels C. Lind, ST6: June 71:1651:8166
Earthquake Design Formula Considering Local Soil Conditions, Semih S. Tezcan, ST9:Sept 71:2383: 8399
Staggered Columns in Flat Plates, Maurice P. Van Buren, ST6:June 71:1791:8222

Buildings (Commercial)
Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589

Buildings (Hospitals)
Cost Control in Hospital Design, F. C. Wood, Preprint No.1530, Oct 71

Buildings (Hotels)
Controlling Fires in Tall Buildings, Robert F. Legget, CE:Nov 71:63

Buildings (Industrial)
A High-Rise Timber Mill Building, L. Elvin Gower, Preprint No.1394, Apr 71
Laminated Timber Used in High-Rise Mill Building, L. Elvin Gower, CE:Dec 71:40
Preloading for Heavy Industrial Installations, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, SM6:Nov 69:1335:6902
TR:136:253
Preloading for Heavy Industrial Installations, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, PISST:pp.321-341, 1971

Buildings (Office)
Cables Support Office Building, Bogue B. Babicki, CE:Oct 71:64
Controlling Fires in Tall Buildings, Robert F. Legget, CE:Nov 71:63
Ductile-Frame Tie Bars, John T. Merrifield and Albert P. Jensen, CE:Nov 71:52
Superstructure for 1,350-ft.-High World Trade Center, Lester S. Feld, CE:June 71:66
Dsc: Richard M. Stanger, CE:Dec 71:71

Buildings (Recreational)
Sydney Opera House, O. N. Arup and Gerd J. Zunz, CE:Dec 71:50

Buildings (Residential)
Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, Kneeland A. Godfrey, Jr., CE:Sept 70:73
Dsc: A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56
TR:136:740

Bulkhead Gates
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71

Bulkheads
Port Construction At Burns Waterway Harbor, John H. McGavock, Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990
Stability of Cellular Cofferdams Against Vertical Shear, Melvin I. Esrig, SM6:Nov 70:1853:7654

Buoys
Dynamics of Single Point Mooring in Deep Water, John H. Nath and Michael P. Felix, WW4:Nov 70:815:7700
Two-Point Mooring System for Spar Buoy, John H. Nath and Steve Neshyba, WW2:May 71:295:8115

Buses (Vehicles)
The Basic Inadequacy of Conventional Urban Transportation Modes, Ben Alexander, UTI:pp.59-78, 1971
Buses Get Exclusive Use of Freeway Median, Marvin C. Gersten and Jeanine M. Kahan, CE:July 70:68
TR:136:574
California Steam Bus Project: A Midterm Review, Roy A. Renner, Preprint No.1444, July 71
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256
TR:136:830
Freeway Planning: Advance Acquisition of Rights-Of-Way, CE:Nov 70:62
Dsc: Kenneth M. Turner, CE:Feb 71:55
TR:136:1149
Implementing an Exclusive Bus Lane on the New Jersey Approaches to the Lincoln Tunnel, Leon Goodman, NA:Mar 71:149
Improving Urban Bus Operations, Michael G. Ferreri, TE3:Aug 70:319:7465
TR:136:1105
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Plan for Financing Urban Mass Transit Systems, Robert T. Howe, TE2:May 70:219:7286
TR:136:852
Selected Bus Demonstration Projects, Louis J. Pignataro, John C. Falcocchio and Roger P. Roess, TE3:Aug 70:251:7454
TR:136:947
Urban Mass Transportation: Review and Analysis, Stewart F. Taylor and Louis W. Petulla, TE2:May 70:175:7277
What Have Transit Demonstrations Really Shown?, Calvin O. Smith, TE2:May 71:325:8097

Bus Lines
Buses Get Exclusive Use of Freeway Median, Marvin C. Gersten and Jeanine M. Kahan, CE:July 70:68
TR:136:574
Computer Aided Control of a Bus Transit System, Ansel V. Gould, Preprint No.1439, July 71
Impact of Rail Transit on Bus Operations, Richard H. Pratt, TE1:Feb 71:31:7881
Planning for the Metro, Thomas B. Deen, TE3:Aug 70:349:7476
TR:136:1136
Transit Marketing in Chicago, George Krambles, TE2:May 71:361:8134

Butyl Rubber
Largest Butyl Rubber Lined Reservoir, Robert T. Chuck, CE:May 70:44
TR:136:405

Cables
Behavior of Loaded Cable Systems, W. Terence O'Brien, ST10:Oct 68:2281:6162
TR:136:627
Static Ending Strain in Stranded Conductor, James C. Poffenberger and Puran R. Mehta, ST11:Nov 70:2429:7687
TR:136:1332

Cables (Ropes)
Analysis of Cable-Stayed Girder Bridgev, Man-Chung Tang, ST5:May 71:1481:8116
Analysis of Inelastic Suspension Structures, Thomas M. Murray and Nicholas Willems, ST12:Dec 71:2791:8574
Analysis of Plane Prestressed Cable Structures, H. Mollmann, ST10:Oct 70:2059:7598
TR:136:1182
Analysis of Structures by Quadratic Programming, Mehdi S. Zarghamee, EM5:Oct 71:1495:8431
Cable Net: Continuous System Analysis, Hugh Tottenham and Paul G. Williams, EM3:June 70:277:7347
TR:136:1187
Cables Support Office Building, Bogue B. Babicki, CE:Oct 71:64
Cable-Stayed Bridges - A State of the Art, Walter Podolny, Jr. and John F. Fleming, Preprint No.1346, Jan 71
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Computation of Cutting Length of Guys, Stanley J. Jarecki, Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587
Design of the Southern Crossing Cable Stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1352, Jan 71
Inelastic Analysis of Suspension Roof Structures, Donald P. Greenberg, ST5:May 70:905:7284
Inelastic Stiffened Suspension Space Structures, John J. Jonatowski and Charles Birnstiel, ST6:June 70:1143:7364
TR:136:919
Main Cables of Newport Suspension Bridge, Blair Birdsall, ST12:Dec 71:2825:8606
Mechanical Properties of Structural Cables, John B. Scalzi and William K. McGrath, ST12:Dec 71:2837:8604
Montreal Boasts Cable-Stayed Bridge, Jean-Guy Demers and Ole Simonsen, CE:Aug 71:59
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Nonlinear Analysis of Cable and Truss Structures, Frank Baron and Mahadeva S. Venkatesan, ST2:Feb 71:679:7937
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556
TR:136:72
Reliability of Redundant Cable System, Masaru Hoshiya, TN: ST11:Nov 71:2773:8490
Static Ending Strain in Stranded Conductor, James C. Poffenberger and Puran R. Mehta, ST11:Nov 70:2429:7687
TR:136:1332
Study of Suspended Roof Model, Prem Krishna and Tej P. Agarwal, ST6:June 71:1671:8168

Two-Dimensional Cable Analysis, George R. Buchanan, ST7:July 70:1581:7436
TR:136:1021

Caissons
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934
Machine-Bored Caissons for Earth-Retaining Systems in Europe, Herbert Weinhold, CE:July 70:64
TR:136:556
Mine Subsidence and Support Methods in Pittsburgh Area, Richard E. Gray and James F. Meyers, SM4: July 70:1267:7407
TR:136:992
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TR:136:302
Vertical Stresses Due to Deep Foundations, Abraham Ellstein and Leonard Rapoport, 4PCSM:pp.243-255, 1971

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Effect of Inorganics on Disinfection by Halogens, Lawrence N. Kuzminski, Tsuan H. Feng and Chih C. Liu, NSCD:pp.85-111, 1971

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Variational Principle in Fluid Dynamics, Pierre F. Lemieux, Tharakkal E. Unny, Jr. and R. N. Dubey, EM6:Dec 70:1031:7731
TR:136:1252

Calibrating
Calibration and Use of a Low Velocity Current Meter, Svein Vigander and Walter O. Wunderlich, Preprint No.1349, Jan 71

California
Analysis of BART Impacts on Bay Area Land Use, Douglass B. Lee, Jr., Preprint No.1431, July 71
Analysis of the Southern Crossing Cable-stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1402, Apr 71
California Steam Bus Project: A Midterm Review, Roy A. Renner, Preprint No.1444, July 71
Design of the Southern Crossing Cable Stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1352, Jan 71
Effective Freeway Traffic Management System, William E. Schaefer, Jesus M. Garcia, Jr. and Richard J. Murphy, Preprint No.1476, July 71
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Framework Studies in the Pacific Southwest, Robert H. Griffin and Wallace R. Christensen, Preprint No.1314, Jan 71
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TR:136:61
Mathematical Modeling of Estuary Salinity Levels, Barry D. Dudley, Preprint No.1334, Jan 71
Oroville Intake Vibration Problems Resolved, Ernest C. James and Fredric T. Katakura, Preprint No.1323, Jan 71
Proposed Tracked Air Cushion Vehicle System for Los Angeles International Airport, William M. Schoenfeld, NA:Mar 71:115
Public Participation in Urban Water Planning, Thomas C. Ferrara, Karl M. Romstad and William K. Johnson, UP2:Dec 71:179:8585
Residential-Recreation Development, Alan T. Hill, CE:Dec 71:60
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Camber
Hyperbolic Functions for Prestress Loss and Camber, Raouf Sinno and Howard L. Furr, ST4:Apr 70:803:7227
TR:136:876

Canada
The Canadian Institute of Guided Ground Transport, C. E. Law and C. A. Curtis, Preprint No.1465, July 71
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Canal Linings
Water Depths Required for Ship Navigation, Richard G. Waugh, Jr., WW3:Aug 71:455:8309

Canals
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Biological Control of Aquatic Weeds, Robert D. Blackburn, David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362
Computer Controls for Aqueduct Operation, Alfred R. Golze, PL1:Oct 68:19:6145
TR:136:536
Control of Ice Jams at Barrett Chute G.S., David R. Townsend, PO3:July 71:597:8244
The Cross-Florida Barge Canal: A Lesson in Ecology, Suzy Fisher, CE:Apr 71:44
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110
Interoceanic Canal Navigation Criteria, Edwin W. Eden, Jr., WW2:May 70:395:7288
Numerical Solution of Saint-Venant Equations, Theodor Strelkoff, HY1:Jan 70:223:7043
TR:136:450
Operation and Maintenance of Colorado Aqueduct, Henry J. Mills, IR1:Mar 71:203:8007
Public Irrigation Systems In Puerto Rico, Garcia Rafael Reyes, IR1:Mar 71:109:7953
Regime Theory Design of Canals with Sand Beds, Thomas Blench, IR2:June 70:205:7381
TR:136:1001
Sector Gates in Bangkok Klong System, Fred C. Stepanich, WW4:Nov 71:721:8549
Similarity in Unlined Irrigation Canal Systems, Kenneth V.H. Smith, HY1:Jan 70:13:6993
TR:136:366
A Study of a Slide-prone Clay in Panama, Ralph R. W. Beene, 4PCSM:pp.129-138, 1971
Tonnage Capacity of Locks, John P. Davis, WW2: May 69:201:6577
TR:136:134
Unsteady Free-Surface Flow Computations, E. Benjamin Wylie, HY11:Nov 70:2241:7683
TR:136:1208
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Cantilever Beams
Elastic Lateral Buckling of Steel Beam, Graham H. Powell and Richard Klingner, ST9:Sept 70:1919: 7555
Lateral Stability of Nonuniform Cantilevers, Campbell Massey and Peter J. McGuire, EM3:June 71:673:8172

Cantilevers
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196

XUM

Capillarity
Capillarity and Seepage from an Array of Channels, John C. Bruch, Jr., EM6:Dec 69:1403:6972
TR:136:446
Similitude Criteria for Flow from Unconfined Aquifers, Rameshwar D. Verma and Wilfried Brutsaert, HY9:Sept 71:1493:8397

Capitalized Costs
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750
TR:136:1092

Carbon 14
Carbon-14 Ages Related to Occurrence of Salt Water, William Back, Bruce B. Hanshaw and Meyer Rubin, HY11:Nov 70:2325:7702
TR:136:1297

Cargo Transportation
Analysis of the Need for Goods Movement Forecasts, Davit Fresko, Gordon Shunk and Franklin Spielberg, Preprint No.1490, July 71
Freight Transportation Vibration Environment, Robert W. Luebke, Preprint No.1500, July 71
Highway Advantages from Advanced Truck-rail Technology, Robert T. Adams, Preprint No.1497, July 71
Operational Planning of Airport Facilities, James J. Browne, Rogers Lui and Ravinder Nanda, Preprint No.1495, July 71
Systematic Analysis of Airport Congestion as a Constraint on Air Travel, George N. Bower and J. Robert Bennett, Preprint No.1496, July 71

Catch Basins
Storm Drainage Practices of Thirty-two Cities, Colby V. Ardis, Kenneth J. Dueker and Arno T. Lenz, HY1:Jan 69:383:6365
TR:136:783

Catchments
Fitting Methods for Conceptual Catchment Models, Richard P. Ibbitt and Terence O'Donnell, HY9:Sept 71:1331:8370

Cationic Asphalt Emulsions
Experimental Cationic Asphalt Emulsion Grouting, Lloyd R. Gebhart, Preprint No.1541, Oct 71

Caves
Crude Storage: Tanks or Caverns?, M. P. Daruwalla and J. N. Hagg, CE:Apr 71:38

Cavitation
Cavitation in Horizontal Pipelines Due to Water Hammer, J. P. Th. Kalkwijk and C. Kranenburg, HY10:Oct 71:1585:8440
Cavitation Parameters for Outlet Valves, W. Paul Winn and David E. Johnson, HY12:Dec 70:2519: 7771
Choking and Supercavitating Valves, J. Paul Tullis, HY12:Dec 71:1931:8593
Designing Spillway Crests for High-Head Operation, John J. Cassidy, HY3:Mar 70:745:7153
TR:136:1245
Needle Valves as Pressure Regulators, J. Paul Tullis and Maurice L. Albertson, HY5:Sept 69:1633:6787
TR:136:220
Reducing Cavitation in Valves, J. Paul Tullis and M. M. Skinner, HY6:Nov 68:1475:6255
TR:135:309

Cellular Structures
Soils Engineering For Wells Project, Harris H. Burke, PO2:Mar 71:317:7976
Stability of Cellular Cofferdams Against Vertical Shear, Melvin I. Esrig, SM6:Nov 70:1853:7654

Cement Grouts
Cement Stabilized Fill for Conduit Support, Richard B. Catanach and Thomas N. McDaniel, TN: SM6: June 71:959:8162
Mine Grouting to Control Building Settlement, Charles I. Mansur and Marion C. Skouby, SM2: Mar 70:511:7166
TR:136:617

Cements
Cement Mortar Lining of 20-foot Steel Pipe, James E. Wolfe, Preprint No.1562, Oct 71
Construction Of Large Concrete Ocean Structures, Ben C. Gerwick, Jr., CO1:Mar 71:1:7991
Solidification of Sludges with Portland Cement, E. Alan Cassell and Thomas W. Walker, SA1:Feb 70: 15:7053
TR:136:411
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588

Centrifuges
Estimation of Sludge Centrifuge Performance, P. Aarne Vesilind, SA.3:June 70:805:7378

Chambers
Fourth Dimension for Urban Environment, Kenneth E. Sorensen, UP1:Apr 71:91:8064
Underground Chamber Crushes Rock for Dworshak Dam, Charles O. Faris, CE:June 71:75

Channel Flow
Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455

Channel Improvements
Density Induced Return-Currents in Outlet Channels, Ben P. Rigter, HY2:Feb 70:529:7086
TR:136:583

Channels
Linear-Momentum Flux to Overbank Sections, Robert R. Wright and Marion R. Carstens, HY9: Sept 70:1781:7517

Channels (Waterways)
Capillarity and Seepage from an Array of Channels, John C. Bruch, Jr., EM6:Dec 69:1403:6972
TR:136:446
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Computation of Open-Channel Surges and Shocks, George Terzidis and Theodor Strelkoff, HY12:Dec 70:2581:7780
Distribution of Tractive Force in Open Channels, Viswanathan C. Kartha and Hans J. Leutheusser, HY7:July 70:1469:7415
Economic Channels and Maneuvering Areas for Ships, Clarence F. Wicker, WW3:Aug 71:443:8308
Effect of Channel Shape on Varied Flow Profiles, Nagar S. Lakshmana Rao and Kalambur Sridharan, HY1:Jan 71:55:7796
Effect on Waterway Depth and Alignments, Casimir J. Kray, WW2:May 70:497:7305
Flood-Plain Development Must be Ecologically and Economically Sound, James E. Goddard, CE:Sept 71:81
Four-Point Method of Characteristics, Michael B. Abbott and Adrianus Verwey, HY12:Dec 70:2549: 7763
Friction Factors for Flow in Sand Bed Channels, Abu M.Z. Alam and John F. Kennedy, HY6:Nov 69: 1973:6900
TR:136:520
Interoceanic Canal Navigation Criteria, Edwin W. Eden, Jr., WW2:May 70:395:7288
Nondimensional Gradually Varied Flow Profiles, Cheng-lung Chen and Chun-Tsung Wang, HY5: Sept 69:1671:6790
TR:136:228
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466

Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
River Erosion Due to Channel Relocation, Lawrence W. Yearke, CE:Aug 71:39
River Metamorphosis, Stanley A. Schumm, HY1:Jan 69:255:6352
TR:136:38
Seepage from Trapezoidal Channels, Satya P. Garg and A. S. Chawla, HY6:June 70:1261:7335
TR:136:1258
Sill-Controlled Flow Transitions and Extent of Erosion, Walter Rand, HY4:Apr 70:927:7212
TR:136:722
Two Innovations for Improving Harbor Resonators, William James, WW1:Feb 71:115:7871
Uses of Models in Resolving Tidal Problems, Henry B. Simmons, HY1:Jan 69:125:6345
TR:136:898
Vessel Controllability in Restricted Waters, Edwin W. Eden, Jr., WW3:Aug 71:475:8310
Water Waves Over a Rectangular Channel Through a Reef, Nabil Hilaly, WW1:Feb 69:77:6409
TR:136:661

Channel Stabilization
Coordination of Mobile-Bed Hydraulics, Thomas Bunch, HY6:Nov 69:1871:6884
TR:136:837
Energy Dissipators for Large Culverts, Thomas C. MacDonald, HY6:Nov 69:1941:6893
TR:136:514
Experiences with Bed Sills in Stream Stabilization, Robert P. Apmann and Paul H. Blinco, WW3:Aug 69:319:6724
TR:136:561
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Self-Stabilizing Tendencies of Alluvial Channels, Johannes Gessler, WW2:May 70:235:7263
TR:136:1307

Charts
Chart Compilation-Field and Office, William J. Monteith, SU2:Sept 70:157:7522
TR:136:885

Check Structures
Irrigation Channel Structures, Victoria, Australia, Keith A. Murley, IR2:June 70:131:7371

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Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, NSCD:pp.37-60, 1971
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Chemical Grouts
Chemical Grouting for Paris Rapid Transit Tunnels, Jean J. Janin and Guy F. Le Sciellour, CO1:June 70:61:7382
TR:136:530
Selection of Chemical Grout for Mattmark Dam, Herbert H. Einstein and Gerold Schnitter, SM6:Nov 70:2007:7684
TR:136:1212

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Chlorine Disinfection in Final Settling Basins, Darrell W. Monroe and Donald C. Philipps, NSCD:pp.163-179, 1971
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Tertiary Treatment by Flocculation and Filtration, DeFro Tossey, Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484

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Chemical Treatment, Walter J. Weber and Tom H. Forrest, CWFE:Mar 71:183

Chemistry
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, NSCD:pp.37-60, 1971
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Chimneys
Basic Structural Design of Concrete Chimneys, Wadi S. Rumman, PO3:June 70:309:7334
Concrete Chimney Design, Construction and Operation, Philip G. Sikes, PO3:June 70:449:7368
Design of Browns Ferry Chimney, John W. Smith and Asgeir Jonsson, PO3:June 70:437:7359
TR:136:1127
Drag or Along-Wind Response of Slender Structures, J. J. Vickery and Kvan H. Kao, Preprint No.1384, Apr 71
Eddy Formation Behind Circular Cylinders, Alan D. K. Laird, HY6:June 71:763:8170
Lift or Across-wind Response of Tapered Stacks, Barry J. Vickery and Arthur W. Clark, Preprint No.1385, Apr 71
TVA Experience with Concrete Chimney Linings, Charles D. Durfee, PO2:Oct 69:193:6826
TR:136:60
Vibration of Chimney Supported on Elevated Concrete Slab, Elias G. Abu-Saba, ST2:Feb 71:619:7936
Vibrations of Stacks Supported on Steel Structures, Anthony Morrone, ST12:Dec 69:2831:6965
TR:136:459

China
Experimental Studies on the Generation of Waves in Shallow Water, C. T. Kuo and Frederick L.W. Tang, 12CEC:pp.179-201, 1971
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TR:136:1144

Chlorination
Alternate Methods of Wastewater Disinfection, John R. Elwood, Russell H. Isaac and Martin Weiss, NSCD:pp.189-201, 1971
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XUM

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Contact Pressure of a Rigid Circular Foundation, Michael M.K. Ho and R. Lopes, SM3:May 69:791:6554
TR:136:792
Dynamic Response of Circular Footings, Juan E. Luco and Russell A. Westmann, EM5:Oct 71:1381:8416

Circulation

Hydrography of South Pass, Mississippi River, Lynn D. Wright, WW3:Aug 71:491:8290
Properties of Circulation in Stratified Lakes, James A. Liggett and Kwang K. Lee, HY1:Jan 71:15:7793
Salvaging Obsolete Autos: Systems Approach to Materials Recycling, CE:Apr 71:52

Cities

Current Mass-Transit Proposals: Answer to Our Commuter Problem?, Martin Wohl, CE:Dec 71:68

Civil Defense

Fourth Dimension for Urban Environment, Kenneth E. Sorensen, UP1:Apr 71:91:8064

Civil Engineering

Annual Address, Samuel S. Baxter, PP1:Oct 71:5:8466
Can Development and Ecology be Reconciled?, John E. Skinner, CE:Apr 71:67
Dsc: Edward A. Abdun-Nur, CE:Sept 71:67
C.E. for C.E.'s - Who Needs It?, David J. Hall, Preprint No.1340, Jan 71
Challenges for ASCE, Samuel S. Baxter, CE:July 71:67
TR:136:1334
The City and the Civil Engineer, Walter G. Heintzleman, PP1:Oct 71:55:8479
The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78
Civil Engineering in Health Care Systems, Tung Au, PP1:Oct 71:87:8470
The Civil Engineer: Quiet Man or Spokesman?, Hadley Johnson, Jr., PP1:Oct 71:51:8467
Constructive Criticism of Public Works, G. H. Andrews, Preprint No.1435, July 71
Education and Training Viewed by a Younger Member, James F. Stahl, CWFE:Mar 71:261
Engineer Firms Face Unionization, Larry N. Spiller, CE:Apr 71:49
Dsc: Richard Schindler, CE:Aug 71:38
The Engineer, His Client and Impact Analysis, Gerald M. Sturman, Preprint No.1474, July 71
Engineering for People, Richard Harbert, Preprint No.1456, July 71
The Ethics of Teacher Evaluation, Chester Lee Allen, PP1:Oct 71:153:8465
Forty Years of ASCE and "Civil Engineering", Mary E. Jessup, CE:Oct 70:59
TR:136:977
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Dsc: Postcript to Handsome Structures Article, CE:Apr 71:96
TR:136:420
Is Technology Relevant?, Michael C. Kavanaugh, CE:Oct 70:44
Dsc: Bob Persons, CE:Feb 71:66; Kurt V. Leininger, CE:Mar 71:56
TR:136:872
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Professional Recognition - How?, Robert B. Thorn, Preprint No.1558, Oct 71
Professional Recognition - How?, Thomas deS. Furman, Preprint No.1559, Oct 71
Prospectives in Bioengineering Research for Civil Engineers, George Bugliarello, PP1:Oct 71:83:8461
Recycling Civil Engineering Education, William K. Johnson, CE:Oct 71:101
Systems Approach and the Civil Engineer, Kenneth W. Heathington and R. Brian Bonton, PP1:Oct 71:65:8457
To Unite or Not to Unite, Simon Perliter, Preprint No.1440, July 71

Civil Engineers

Annual Address, Samuel S. Baxter, PP1:Oct 71:5:8466
Assuring a Desirable Quality of Life, CE:Sept 71:73
Booby Traps for Young Engineers on Construction, Edward A. Merrill, CO2:Nov 71:305:8541
Can Decision-Making Be Taught?, John B. Scalzi, CE:July 70:37
TR:136:501
Challenges for ASCE, Samuel S. Baxter, CE:July 71:67
TR:136:1334
The Civil Engineer in Aerospace, Task Committee on Civil Engineering in Space of the Committee on Space Facilities of the Aero-Space Transport Division, Stewart W. Johnson, Chmn., TE2:May 71:247:8124

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TR:136:879
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TR:136:42
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TR:136:370
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Coating Processes

Effect of Coating on Thermal Conductivity of Pipes, P. Mahmoodi, TE1:Feb 70:71:7102 TR:136:357

Coefficients

Designing Spillway Crests for High-Head Operation, John J. Cassidy, HY3:Mar 70:745:7153 TR:136:1245
Drag Coefficients in Nonsteady Turbulent Flow, Alex J. Sutherland and David J. Painter, HY7:July 71: 1031:8233
Effect Of Side Walls On Flow Past Bluff Bodies, Thomas L. Shaw, HY1:Jan 71:65:7788
Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
Power Losses and Flow Topologies in Manifold, Jaime Amorocho and Johannes J. DeVries, HY1: Jan 71:81:7791
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510

Cofferdams

Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967
Diversion at Portage Mountain Project, Harold K. Pratt, PO3:June 70:349:7346 TR:136:1178
Earth Dam Built Without Dewatering, Keith A. Henry, CE:Jan 71:37

Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
Mossyrock Project River-Diversion and Care of Fish, Earl J. Beck, PO1:Jan 71:1:7800
Novel Construction Concept for Raw-Water Intake, Carlton T. Wise and Doyle D. Gillespie, CE:June 71:43
River Diversion for Boundary Dam, Adolf A. Schilling, PO3:June 70:319:7339
TR:136:1027
Unique Methods Solve Cofferdam Construction, E. V. Wright, CE:Nov 71:37

Cohesion
Bearing Capacity of Anisotropic Cohesive Soil, Edward H. Davis and John T. Christian, SM5:May 71:753:8146

Cohesionless Soils
Bridge Foundation Behavior in Alaska Earthquake, Grant A. Ross, H. Bolton Seed and Ralph R. Migliaccio, SM4:July 69:1007:6664
TR:136:712
Crater-sink Sand Transfer System, Douglas L. Inman and Roland W. Harris, 12CEC:pp.919-933, 1971
Recoverable Deformation Of Cohesionless Soils, Max D. Coon and Roger J. Evans, S&M2:Feb 71:375:7911
Settlement of Two Tanks on Loose Cohesionless Soil, Jay Langfelder and David W. Johnston, 4PCSM: pp.15-25, 1971
Tests on Cohesionless Materials for Rockfill Dams, Emanuele Fumagalli, SM1:Jan 69:313:6353
TR:136:26

Cohesive Soils
Mohr-Coulomb Strength Theory for Anisotropic Soils, Wallace H. Baker and Raymond J. Krizek, SM1:Jan 70:269:7015
TR:136:442

Cold-Rolled Steel
Connections in Thin Low-ductility Steels, Asfandiar K. Dhalla, Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442

Cold Weather Construction
Arctic Hangar for Minus 60 Deg F, Ralph Kratz, CE:May 71:72
Artic Research Laboratory, William H.G. Van Ness, CE:May 71:69
Dsc: Russell P. Wibbens, CE:Sept 71:93

Cold Working
Minimum Weight Design of Light Gage Steel Members, Paul A. Seaburg and Charles G. Salmon, ST1:Jan 71:203:7830

Coliform Bacteria
Problems in Obtaining Adequate Sewage Disinfection, Harvey F. Collins, Robert E. Selleck and George C. White, SA5:Oct 71:549:8430

Coliforms
Coliform-Fecal Coliform Bacteria in Tidal Waters, Gerald A. Strobel, SA4:Aug 68:641:6068
TR:136:629

Collapse
Elastic-Plastic Behavior of Intersecting Shells, Fernand Ellyin, EM1:Feb 69:69:6387
TR:136:701
Extension of Incremental Collapse Theorems, Atle Gjelsvik, TN: EM5:Oct 71:1603:8412
Point Pleasant Bridge Collapse-Conclusions of the Federal Study, Charles F. Scheffey, CE:July 71:41
Point Pleasant Bridge Collapse Mechanism Analyzed, Daniel Dicker, CE:July 71:61
Standard Penetration Tests in Collapsible Soils, Aldo R. Reginatto, 4PCSM:pp.77-84, 1971

Collective Bargaining
Engineers Salaries: What California Is Doing, Schaefer J. Dixon and L. Lawrence Lewis, CE:June 70:56
Dsc: Thomas Cheswick, CE:Jan 71:45
TR:136:454

Collisions
Impactive Dynamic Analysis, Manuel A. Suarez, Preprint No.1406, Apr 71

Colloids
Investigation of a Wood Curing Waste, Vernon L. Stump and Franklin J. Agardy, SA6:Dec 69:1051:6953
TR:136:284

Colorado
Experimental Cationic Asphalt Emulsion Grouting, Lloyd R. Gebhart, Preprint No.1541, Oct 71
Framework Studies in the Pacific Southwest, Robert H. Griffin and Wallace R. Christensen, Preprint No.1314, Jan 71

Color Photography
Aerial Color Analysis of Water Quality, Kenneth R. Piech and J. E. Walker, Preprint No.1327, Jan 71

Columns
Behavior of Laterally Reinforced Concrete ColumnF, Edwin G. Burdette and Hubert K. Hilsdorf, ST2:Feb 71:587:7905
Inelastic Behavior of H-Columns Under Biaxial Bending, Gunnar A. Harstead, Charles Birnstiel and Keh-Chum Leu, ST10:Oct 68:2371:6173
TR:136:639
Stability of a Heated Plastic Column, Li-Chung Tao and Atle Gjelsvik, EM5:Oct 69:1169:6849
TR:136:802
Staggered Columns in Flat Plates, Maurice P. Van Buren, ST6:June 71:1791:8222
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Ultimate Load Tests on Braced Multistory Frames, Joseph A. Yura and Le-Wu Lu, ST10:Oct 69:2243:6840
TR:136:307

Columns (Supports)
Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70:2125:7597
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Biaxially Loaded Beam-Column Analysis, Ishwar C. Syal and Satya S. Sharma, ST9:Sept 71:2245:8384
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Buckling Strength of Columns Based on Random Parameters, Bertrand T. Chung and George C. Lee, ST7:July 71:1927:8259
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196
Column Web Strength in Steel Beam-to-Column Connections, Wai F. Chen and David E. Newlin, Preprint No.1524, Oct 71
Concrete Column Design by AASHO Specifications, Hans H. Fickel, ST4:Apr 71:1187:8070
Cooling Towers Supported on Columns, Salman H. Abu-Sitta, ST12:Dec 70:2575:7753
The CRC Guide - A Preview of the Third Edition, Bruce G. Johnston, Preprint No.1309, Jan 71
Design Tables for Composite Columns, Richard W. Furlong, Preprint No.1531, Oct 71
Ductile-Frame Tie Bars, John T. Merrifield and Albert P. Jensen, CE:Nov 71:52

XUM

Effects of Creep and Shrinkage on Prestressed Concrete Columns, William J. Wilhelm and Paul Zia, ST10:Oct 70:2103:7614
Elastic Behavior of Biaxially Loaded Steel Columns, Ishwar C. Syal and Satya S. Sharma, ST3:Mar 70:469:7143
TR:136:593
Elastic Buckling of Two Component Columns, Yu-wen Hsu, EM3:June 69:611:6612
TR:136:155
Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70:573:7159
TR:136:834
Flexural Rigidity of Concrete Column Sectione, Ian C. Medland and Donald A. Taylor, ST2:Feb 71:573:7933
Free Transverse Vibration of Flat Slabs, Paul P. Lynn and Nahit Kumbasar, EM1:Feb 69:255:6425
TR:136:727
Free Vibration of Two-Dimensional Frameworks, Karl-Robert Leimbach and Donald McDonald, ST2:Feb 70:267:7082
TR:136:558
Full-Size Lightweight Concrete Column4, Donald W. Pfeifer, ST2:Feb 71:495:7903
Further Studies of Inelastic Beam-Column Problem, Wai F. Chen, ST2:Feb 71:529:7922
General Solution of Inelastic Beam-Column Problem, Wai F. Chen, EM4:Aug 70:421:7482
TR:136:957
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1399:8094
Hyperboloids of Revolution Supported on Columns, Phillip L. Gould and Seng-Lip Lee, EM.5:Oct 69:1083:6820
TR:136:312
Load Carrying Capacity of Simple Composite Columns, J. W. Roderick and D. F. Rogers, ST2:Feb 69:209:6412
TR:136:690
Minimum Weight Design with Stability Constraint, Mehdi S. Zarghamee, ST8:Aug 70:1697:7486
TR:136:1268
Multistory Prefabricated Columns, German Gurfinkel, CO2:Oct 70:137:7587
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428
A Numerical Technique for Elastica Problems, John V. Huddleston, EM5:Oct 68:1159:6182
TR:136:654
Optimum Prestressed Tubular Columns, Ralph L. Barnett, ST2:Feb 70:291:7083
TR:136:564
Over-All and Local Buckling of Channel Columns, Ahmed A. Ghobarah and Wai K. Tso, EM2:Apr 69:447:6513
TR:136:71
Parametric Vibration Response of Columns, Martin L. Moody, EM3:June 69:665:6619
TR:136:81
Postbuckling of Column under Distributed Axial Load, Tung-Ming Wang, TN: EM4:Aug 71:1323:8273
Random Behavior of Columns, Paul H. Wirsching and James T. P. Yao, EM3:June 71:605:8183
Reinforced Concrete Rectangular Columns in Torsion, Alfred G. Bishara and Jong-Cherng Peir, ST12:Dec 68:2913:6305
TR:136:29
Residual Stresses and Tubular Compression Members, Donald R. Sherman, ST3:Mar 71:891:8001
Restrained Elastic Beam-Columns, Nicholas S. Trahair, ST12:Dec 69:2641:6941
TR:136:421
Significance and Application of Stub Column Test Results, Ching K. Yu and Lambert Tall, ST7:July 71:1841:8231
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729:8544
Southwell Plot for Beam-Columns, Robert H. Leicester, EM6:Dec 70:945:7750
TR:136:1260
Spaced Steel Columns, Bruce G. Johnston, ST5:May 71:1465:8109
Spandrel-Slab Interaction, Mario G. Salvadori, ST1:Jan 70:89:7017
TR:136:810
Stability of Columns With Transient Loads, Siegfried M. Holzer, EM6:Dec 70:913:7730
TR:136:1306
Stability of Water Cooled Columns, Atle Gjelsvik, EM4:Aug 71:1205:8335
Strength of Concrete Filled Steel Tubular Columns, Robert B. Knowles and Robert Park, ST12:Dec 69:2565:6936
TR:136:752
Strength of Steel Columns with Biaxially Eccentric Load, Satya S. Sharma and Edwin H. Gaylord, ST12:Dec 69:2797:6960
TR:136:457
Sustained Biaxial Load on Slender Concrete Columns, Robert G. Drysdale and Mark W. Huggins, ST5:May 71:1423:8103
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108
Torsionally Stiff Columns under Eccentric Loads, Donald R. Sherman and Donald E. Lukas, ST2:Feb 70:335:7090
TR:136:577
Ultimate Biaxial Capacity of Boxed Steel Columns, Peter J. Marshall and John S. Ellis, ST9:Sept 70:1873:7515
TR:136:1040
Upper Bounds in Complementary Energy Method, Cenap Oran, EM4:Aug 71:1093:8289

Combined Sewers
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Combined Sewers and Stormwater Drainage - Today and 2050 AD, Carmen F. Guarino and Joseph V. Radziul, CWFE:Mar 71:349
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028
TR:136:937

Combined Stress
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1399:8094

Combustion
Modification of the Atmospheric Aerosol, Austin W. Hogan, Preprint No.1332, Jan 71

Combustion Deposits
Residue Characterizations, Robert J. Schoenberger and Paul W. Purdom, SA3:June 69:387:6590
TR:136:735

Commerce
Commercialism in Tax-Favored Institutions, Samuel H. Clark and Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002

Communication
Communications Substitutes for Intra-urban Travel, Richard C. Harkness, Preprint No.1453, July 71
Experiences with Interactive Computing System, LeRoy T. Boyer and John C. Casson, ST1:Jan 71:289:7853

Communication Equipment
Communications Substitutes for Intra-urban Travel, Richard C. Harkness, Preprint No.1453, July 71

Community Development
Community Decision Structure and Urban Planning Process, Thomas J. Hillegass, Charles C. Schimpeler and William L. Grecco, UP1:Mar 70:17:7126
Transportation Research for Community Objectives, Arthur Saltzman, Alice E. Kidder, Florentine Sowell and Sidney H. Evans, Preprint No.1498, July 71

Community Relations
Action in Public Affairs - A Way of Life, James W. McPhillips, Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71
Chicago's Crosstown Expressway, Milton Pikarsky, CE:Sept 70:84
TR:136:800
Engineering for People, Richard Harbert, Preprint No.1456, July 71
Local Sections and Social Action: How It Stands, Charles Hemming, CE:Nov 70:33
TR:136:1109
Measurement of Community Values in Transportation Network Evaluation, Dan G. Haney, Preprint No.1436, July 71
Minority Training Programs Lurch Ahead, Suzy Fisher, CE:Sept 71:68
Revolution in Urban Highway Planning, ASCE Committee on Highway Planning and Economics of the Highway Division, Dana E. Low, Chmn., TE1:Feb 71:145:7916
Role of Engineering Students in the Community, Terry M. Dolan, Preprint No.1455, July 71
Students Revitalize On-Campus Lake, John G. Gonzales and Paul A. Ferrari, CE:June 71:38

Compactibility
Standard Penetration Test and Relative Density, K. J. Melzer, 4PCSM:pp.37-44, 1971

Compacting
Properties of Compacted Sewage Ash, Donald H. Gray, SM2:Mar 70:439:7149
TR:136:587

Compaction
Aging Effects on Swell Potential of Compacted Clays, Gabriel Kassiff and Raphael Baker, SM3:Mar 71:529:7951
The Allowable Settlement of Structures, Hugh Q. Golder, 4PCSM:pp.171-187, 1971
Compaction Grouting Technique and Observations, Edward D. Graf, SM5:Sept 69:1151:6766
TR:136:91
Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, SM6:Nov 69:1365:6882
TR:136:233
Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, PISST:pp.393-406, 1971
Engineering Behavior and Structure of Compacted Clay, Laing Barden and Geoffrey R. Sides, SM4:July 70:1171:7397
Incinerator-Residue-Fill Site Investigation, Robert J. Schoenberger, SM10:Oct 71:1431:8451
In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:881:7273
TR:136:1300
Pore Size Distribution Studies, Asuri Sridharan, Adolph G. Altschaeffl and Sidney Diamond, SM5:May 71:771:8151
Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508
Rapid Determination of Plasticity Index, Roland A. Pettitt, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59
Relative Density and Relative Compaction, Kenneth L. Lee and Awtar Singh, TN: SM7:July 71:1049:8264
Sand Densification by Piles and Vibroflotation, Carl E. Basore and Joseph D. Boitano, SM6:Nov 69:1303:6892
TR:136:567
Sand Densification by Piles and Vibrofloatation, Carl E. Basore and Joseph D. Boitano, PISST:pp.203-224, 1971
Session IV: Other Improvement Techniques (Additives, Grouting, Thermal, Electro, Vibroflotation, Blasting, Compaction, Piles), Roy E. Olson, PISST:pp.91-92, 1971
Soil Indentation by Translating Flanged Plate, Jack L. Dais, EM4:Aug 71:1057:8285
Strength of Anisotropically Consolidated Compacted Clay, Kenneth L. Lee and Ross A. Morrison, SM6:Nov 70:2025:7703
Strength of Compacted Clay at High Pressure, Kenneth L. Lee and Steven C. Haley, PISST:pp.345-374, 1971
Thixotropic Behavior of Compacted Clays, Donald H. Gray and Nouri A. Kashmeeri, SM1:Jan 71:193:7857

Compaction Equipment
Sand Densification by Piles and Vibroflotation, Carl E. Basore and Joseph D. Boitano, SM6:Nov 69:1303:6892
TR:136:567
Sand Densification by Piles and Vibrofloatation, Carl E. Basore and Joseph D. Boitano, PISST:pp.203-224, 1971

Compensation
Computer Charges and Engineering Organizations, Daniel Roos, ST1:Jan 71:339:7834

Competition
Commercialism in Tax-Favored Institutions, Samuel H. Clark and Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002

Complementary Energy Methods
Multiple Configuration Analysis of Structures, R. J. Melosh and Rein Luik, ST11:Nov 68:2581:6220
TR:136:663

Composite Beams
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314
Cellular Steel Floors Mature, Eugene E. Dallaire, CE:July 71:70
Composite Beam Incorporating Cellular Steel Decking, Hugh Robinson, ST3:Mar 69:355:6447
TR:136:823
Influence of the Stud on Composite Beam Behavior, Neil M. Hawkins, Preprint No.1543, Oct 71
Nonuniform Torsion of Composite Beams, Paul F. McManus and Charles G. Culver, ST6:June 69:1233:6623
TR:136:10

Composite Materials
Buckling of Anisotropic Composite Plates, Christos C. Chamis, ST10:Oct 69:2119:6799
TR:136:244
Composite Beams with Partial Connection, Hugh Robinson and I. W. Wallace, Preprint No.1549, Oct 71
Concrete-Polymer Composites, Lawrence E. Kukacka, Peter Colombo, Meyer Steinberg and Bernard Manowitz, ST9:Sept 71:2217:8363
Design Tables for Composite Columns, Richard W. Furlong, Preprint No.1531, Oct 71
Failure of Unidirectional Composites In Tension, Ori Ishai, EMj1972:Apr 71:205:8043
Intersecting Titanium Spheres for Deep Submersibles, George F. Leon, EM3:June 71:981:8219

XUM

Irradiation Applications to Material Development, George J. Rotariu, Preprint No.1533, Oct 71
Strain Rate Effects in Particulate-Filled Epoxy, Larry W. Oline and Russell Johnson, EM4:Aug 71:1159:8314
Structural Sections from Reinforced Plastics, John E. Johnson, James Harris and Edward Hughes, Preprint No.1381, Apr 71
Testing and Design of Advanced Composite Materials, Edward M. Lenoe, EM6:Dec 70:809:7729
TR:136:1304
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327
Torsion of Multilayered Rectangular Section, John R. Booker and Sritawat Kitipornchai, EM5:Oct 71:1451:8415
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71
Yield and Failure of Glass-Epoxy Composites, Ori Ishai, Arlo E. Moehlenpah and Aaron Preis, EM5:Oct 70:739:7616
TR:136:1240

Composite Structures

Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70:2125:7597
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
Behavior of Wood-Concrete Composite Beams, George Pincus, ST10:Oct 70:2009:7592
TR:136:1170
Load Carrying Capacity of Simple Composite Columns, J. W. Roderick and D. F. Rogers, ST2:Feb 69:209:6412
TR:136:690
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3:June 70:400:7355
Research On Steel-Concrete Composite Beams, R. Paul Johnson, ST3:Mar 70:445:7122
TR:136:597
Strength of Concrete Filled Steel Tubular Columns, Robert B. Knowles and Robert Park, ST12:Dec 69:2565:6936
TR:136:752
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71:1097:8031

Compressibility

Consolidation of Clay and Peat with Variable Properties, Trevor J. Poskitt, SM6:June 71:841:8178
Load Transfer in Earth and Rockfill Dams, L. Radley Squier, SM1:Jan 70:213:7004
TR:136:414
Mechanisms Controlling Compressibility of Clays, Roy E. Olson and Gholamreza Mesri, SM6:Nov 70:1863:7649
Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508

Compression

Buckling of Clamped Rectangular Plates, Lotfi El-Bayoumy, EM4:Aug 71:1277:8336
Effect of Mica on K_O Compressibility of Two Soils, Charles A. Moore, SM9:Sept 71:1275:8401
Limit Analysis of Plates Under Combined Loads, Kenneth W. Neale and Niels C. Lind, EM5:Oct 70:711:7610
TR:136:1151
Residual Stresses and Tubular Compression Members, Donald R. Sherman, ST3:Mar 71:891:8001
Ultimate Strength of Plates in Uniaxial Compression, Archibald N. Sherbourne and R. M. Korol, Preprint No.1386, Apr 71

Compression Tests

Compression-Tests on Hoop-Reinforced Concrete, Norman F. Somes, ST7:July 70:1495:7417
Settlement of Two Tanks on Loose Cohesionless Soil, Jay Langfelder and David W. Johnston, 4PCSM: pp.15-25, 1971

Compressive Strength

Compression-Tests on Hoop-Reinforced Concrete, Norman F. Somes, ST7:July 70:1495:7417
Compressive Strength of Brick Walls with Large Eccentricities, D. Watsein and M. H. Allen, Preprint No.1400, Apr 71
The Pressure of Floating Ice-fields on Piles, Joachim Schwarz, 12CEC:pp.1523-1536, 1971

Computation

Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY12:Dec 70:2417:7781
Constraint Processing in Design, Richard N. Wright, LeRoy T. Boyer and John W. Melin, ST1:Jan 71:481:7856
Construction Self-Weight Stresses of Precast Shear Walls, Donald H. Orme, Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840
Cylindrical Shell Roofs with Draped Prestressing, A. H. Bryant and J. C. Scrivener, ST4:Apr 71:611:6496
TR:136:1083
Efficient Solution of Load-Deflection Equations, R. J. Melosh and R. M. Bamford, ST4:Apr 69:661:6510
TR:136:700
Elastic Analysis for Behavior of Rockfill, Neville O. Boughton, SM5:Sept 70:1715:7532
TR:136:1042
Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69:859:6719
TR:136:192
Gravity-Affected Flow from Planar Sluice Gatel, Bruce E. Larock, HY4:July 69:1211:6674
TR:136:162
Limit Analysis of Plane Problems in Soil Mechanics, John Lysmer, SM4:July 70:1311:7416
TR:136:1005
Model of Natural Draft Cooling Tower Performance, Lawrence D. Winiarski and Bruce A. Tichenor, SA4:Aug 70:927:7461
TR:136:1028
Natural Frequencies of Circular Arches, Joseph A. Wolf, Jr., ST9:Sept 71:2337:8393
Numerical Error in Structural Solutions, John R. Roy, ST4:Apr 71:1039:8036
Plastic Design of Multistory Frames by Computer, George C. Driscoll, James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
TR:136:509
Plastic Design of Multistory Steel Frames by Computer, Leroy Z. Emkin and William A. Litle, ST1:Nov 70:2373:7689
Procedure for Automating Aircraft Wing Structural Design, Gary L. Giles, ST1:Jan 71:99:7821
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510
Solar Astronavigation in High Latitudes, Gerald W. Johnson and James L. Clapp, SU1:May 71:27:8139
Stress Analysis of Contractive or Dilative Soil, Ian M. Smith and Stephen Kay, SM7:July 71:981:8263
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Computer Applications
Applying Analytical Techniques to the Design of Railway Signal Systems, David R. Fialkoff and David M. Weiss, Preprint No.1483, July 71
Computer Aided Control of a Bus Transit System, Ansel V. Gould, Preprint No.1439, July 71
Computer Analysis of Flow toward Artesian Wells, Yang H. Huang, TN: HY9:Sept 71:1579:8349
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71
Finite-Element Method for Wood Mechanics, Adam M.A. Al-Dabbagh, James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71
Futures of Computers and Computing, Robert L. Schiffman, Preprint No.1564, Oct 71
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2: Dec 71:149:8568
Man-Computer Graphic Transit System Planning, Mattias H. Rapp, Preprint No.1506, July 71
Nonlinear Bending of Bars, Imamuddin Khwaja, TN: EM1:Feb 71:137:7858
Panel - The Computer Revolution in Soil Engineering, Lymon C. Reese, John Lysmer, John T. Christian and G. A. Reti, Preprint No.1565, Oct 71
Recording Inclinometer for Measuring Soil Movement, Leslie G. Bromwell, Christopher R. Ryan and William E. Toth, 4PCSM:pp.333-343, 1971

Computerized Simulation
Application of an Airfield Surface System Model, Donald Maddison, Preprint No.1492, July 71
Computer Simulation of Sediment Deposit in an Alluvial Channel, Fred F. M. Chang, Dennis L. Richards and Yuh Hua Tsai, Preprint No.1538, Oct 71
Earthquake-proof Design Gives Rise to First Japanese Skyscrapere, Kiyoshi Muto, CE:Mar 71:49
Shoaling of Finite-Amplitude Waves on Plane Beaches, Robert K. C. Chan and Robert L. Street, 12CEC:pp.345-361, 1971

Computer Logic
Computers in Flood Control Planning, L. Douglas James, HY6:Nov 69:1859:6886
TR:136:290
Fire Intensity-Resistance Evaluation, Edward M. Krokosky, ST11:Nov 70:2501:7706
TR:136:1282

Computer Models
Analysis of Hurricane Tides at Padre Island, Texas, Frank D. Masch, Robert J. Brandes, Floyd R. Hill and William A. White, 12CEC:pp.2031-2050, 1971
Computer Aided Control of a Bus Transit System, Ansel V. Gould, Preprint No.1439, July 71
Computer Modelling of Diffraction of Wind Waves, Shou-shan Fan and Leon Emry Borgman, 12CEC: pp.473-487, 1971
Water Quality Simulation Model, George R. Grantham, John C. Schaake, Jr. and Edwin E. Pyatt, SA5:Oct 71:569:8429

Computer Programming
Basic Data Network for Solid Waste Management, Robert M. Clark and John M. Sweeten, Preprint No.1548, Oct 71
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873
TR:136:669
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71
Design Processes and Computer Methodology, Tung Au, Preprint No.1369, Apr 71
Euler Beams on a Two Parameter Foundation Model, Milton E. Harr, John L. Davidson, Da-Min Ho, Luis E. Pombo, S. V. Ramaswamy and John C. Rosner, SM4:July 69:933:6651
TR:136:816
Finite-Element Method for Wood Mechanics, Adam M.A. Al-Dabbagh, James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71
Futures of Computers and Computing, Robert L. Schiffman, Preprint No.1564, Oct 71
Scenario for a Third Computer Revolution in Structural Engineering, Steven J. Fenves, ST1:Jan 71:3:7812
Staging of Highway Improvements for Urban Growth, John W. Dickey and Martin P. Azola, Preprint No.1512, July 71

Computer Programs
Aluminum Space Frame for Parque Anhembi, Sao Paulo, Cedric Marsh and Peter K. Kneen, Preprint No.1391, Apr 71
Analysis of Curved Girder Bridges, Lansford C Bell and Conrad P Heins, Jr., ST8:Aug 70:1657:7462
Analysis of Multibeam Bridges, Graham H. Powell, Amitava Ghose and Ian G. Buckle, ST9:Sept 69: 1953:6796
TR:136:1090
Analysis of the Southern Crossing Cable-stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1402, Apr 71
Automatic Generation of Finite Element Matrices, Rene W. Luft, Jose M. Roesset and Jerome J. Connor, ST1:Jan 71:349:7841
Computational Procedures For Flow Resistance Laws, Alan A. Smith, HY3:Mar 70:665:7142
TR:136:673
Computer-Aided Processing of Design Specifications, Surendra K. Goel and Steven J. Fenves, ST1:Jan 71:463:7839
Computer Aids Draftsmen in Soil Profiles and Analysis, George Kisak and B. James Greenfield, CE:Feb 71:67
Demand Responsive Transportation Systemp, Daniel Roos, UTI:pp.123-139, 1971
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71
Designing Computer Programs for Bridge Foundations, E. F. Roberts and M. Lohrmann, CE: Dec 71:64
Dynamic Buckling of Cylindrical Shell, Charles C. Cromer and Robert E. Ball, EM3:June 71:657:8187
The Dynamics of a Coast with a Groyne System, W. T. Bakker, E. H.J. Klein Breteler and A. Roos, 12CEC:pp.1001-1020, 1971
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, Mehran Lashkari, Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71
Federal Experience in Topics, High B. Henry, Preprint No.1448, July 71
Flushing Pattern of Non-reactive Effluents, Adel M. Kamel, 12CEC:pp.1867-1885, 1971
Fortran-Hydro, Jaques W. Delleur and Gerrit H. Toebes, HY6:Nov 69:1993:6901
TR:136:299
Futures of Computers and Computing, Robert L. Schiffman, Preprint No.1564, Oct 71
Geodetic Computations by Electronic Computer, Gerald F. Clohecy, SU1:May 71:97:8105
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505
Mekong Delta Mathematical Model Program Construction, Dino Zanobetti, Henri Lorgere, Alexandre Preissmann and Jean Andre Cunge, WW2:May 70:181:7259
TR:136:1171
Numerical Method of Computing Flow Profiles, Ramanand Prasad, HY1:Jan 70:75:7005
TR:136:546
A Numerical Technique for Elastica Problems, John V. Huddleston, EM5:Oct 68:1159:6182
TR:136:654
Optimum Housing Allocation Model for Urban Areas, R. S. Atkins and Edward M. Krokosky, UP1:Apr 71:41:8022
Panel - The Computer Revolution in Soil Engineering, Lymon C. Reese, John Lysmer, John T. Christian and G. A. Reti, Preprint No.1565, Oct 71

Plastic Design of Multistory Steel Frames by Computer, Leroy Z. Emkin and William A. Litle, ST1:Nov 70:2373:7689
Procedure for Automating Aircraft Wing Structural Design, Gary L. Giles, ST1:Jan 71:99:7821
Simulation for Planning Railroad Operations, Edward J. Sierleja, Preprint No.1437, July 71
Specs-A Specification Production Computer System, Joseph M. Sussman, Robert D. Logcher and Howard D. Stotland, ST1:Jan 71:425:7844
Structural and Foundation Computer-Based Design, Richard F. Harig and Daniel J. McDermott, ST1: Jan 71:315:7843
Transport - - Simulation of a Total Transportation System, Howard D. Hillman and Joseph E. Jakobache, Preprint No.1515, July 71

Computers
Abnormality Detection in Simulated Arterial Systems, Marlyn E. Clark, Giovanni F. Ayala and Samuel L. Hawkes, EM5:Oct 69:1189:6854
TR:136:1226
Algorithm For Adjusting Stream Stage Records, William C. Mills and Willard M. Snyder, IR1:Mar 71:51:7955
Aluminum Space Frame for Parque Anhembi, Sao Paulo, Cedric Marsh and Peter K. Kneen, Preprint No.1391, Apr 71
Analysis of Cable-Stayed Girder Bridgev, Man-Chung Tang, ST5:May 71:1481:8116
Analysis of Plane Prestressed Cable Structures, H. Mollmann, ST10:Oct 70:2059:7598
TR:136:1182
Analysis of Structures b, Quadratic Programming, Mehdi S. Zarghamee, EM5:Oct 71:1495:8431
Analytical Model for Prediction of Ice-Structure Interaction, Hudson Matlock, William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
Analytical Study of Tubular Tee-Joints, Alexander C. Scordelis and Jack G. Bouwkamp, ST1:Jan 70:65: 7016
TR:136:532
Application of Computers to Airport Planning and Design, Rufus C. Phillips, III, TE3:Aug 70:341: 7472
TR:136:1160
Automatic Drafting System Aids Wisconsin Bridge Design, Leon J. Schuchardt, CE:Feb 70:38
TR:136:164
Automatic Generation of Finite Element Matrices, Rene W. Luft, Jose M. Roesset and Jerome J. Connor, ST1:Jan 71:349:7841
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Computation of Open-Channel Surges and Shocks, George Terzidis and Theodor Strelkoff, HY12:Dec 70:2581:7780
Computer-Aided Processing of Design Specifications, Surendra K. Goel and Steven J. Fenves, ST1:Jan 71:463:7839
Computer Aids Draftsmen in Soil Profiles and Analysis, George Kisak and B. James Greenfield, CE:Feb 71:67
Computer Analysis of Large Linear Frames, William D. Whetstone, ST11:Nov 69:2401:6897
TR:136:1065
Computer Charges and Engineering Organizations, Daniel Roos, ST1:Jan 71:339:7834
Computer Design of CMAS Systems, Daniel W. Smith, SA4:Aug 70:977:7474
TR:136:1013
Computer Determination of Flow Through Bridges, Bill S. Eichert and John Peters, HY7:July 70:1455: 7412
Computer Model for a Lock Manifold System, James S. Windsor and Herman Vallee, WW2:May 69:149: 6553
TR:136:68
Computer Plotted Prestressed Concrete Design Charts, Leonard Rice, ST3:Mar 71:863:7993
Computer's Role in Transmission Line Design, Charles F. Beck, ST1:Jan 71:63:7817
Concepts and Utilities of Ecologic Model, Carl W. Chen, SA5:Oct 70:1085:7602
TR:136:1280
Cost-Effective Matching of Task and Computing Device, Ralph E. Miller, Jr. and John McCaslin, ST1:Jan 71:329:7854
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71
Design Processes and Computer Methodology, Tung Au, Preprint No.1369, Apr 71
Discrete Structural Optimization, Kenneth F. Reinschmidt, ST1:Jan 71:133:7829
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71: 2519:8443
Efficient Code for Steady-State Flows in Networ , Robert Epp and Alvin G. Fowler, HY1:Jan 70:43: 7002
TR:136:867
Efficient Reanalysis of Modified Structures, Dag Kavlie and Graham H. Powell, ST1:Jan 71:377: 7846
Efficient Solutions for Linear Matrix Equations, H. Gordon Jensen and Gary A. Parks, ST1:Jan 70:49: 7007
TR:13:52
Elastic Lateral Buckling of Steel Beam, Graham H. Powell and Richard Klingner, ST9:Sept 70:1919: 7555
Experiences with Interactive Computing System, LeRoy T. Boyer and John C. Casson, ST1:Jan 71: 289:7853
Experience with POL Environment, Edward L. Murphree and John W. Melin, ST1:Jan 71:301:7835
Finite-Difference Simulation of Bore Propagation, C. Samuel Martin and Jerome J. Zovne, HY7:July 71: 993:8234
Finite Element Analysis of Reinforced Concrete Slabs, Jan C. Jofriet and Gregory M. McNeice, ST3:Mar 71:785:7963
Finite-Element Method for Wood Mechanics, Adam M.A. Al-Dabbagh, James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71
Flowgraph Analysis of Pipeline Networks, Thorleif Enger and Chuan C. Feng, HY10:Oct 71:1607:8404
Formulation of Decision Logic Tables, Jimmy L. Noland and Chuan C. Feng, ST1:Jan 71:439:7855
Four-Point Method of Characteristics, Michael B. Abbott and Adrianus Verwey, HY12:Dec 70:2549: 7763
Futures of Computers and Computing, Robert L. Schiffman, Preprint No.1564, Oct 71
Graphical and Computer Analysis of Tailrace Surges, C. Samuel Martin, PO3:July 71:697:8261
Hurricane Surge Computations by Computer, Alan N. Sirkin, WW2:May 70:467:7299
TR:136:1159
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Inelastic Analysis of Suspension Roof Structures, Donald P. Greenberg, ST5:May 70:905:7284
Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205
Integrated System For RC Building Design, John M. Biggs, Peter J. Pahl and Harry N. Wenke, ST1:Jan 71:13:7816
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71: 253:7832
Laminar and Turbulent Overland Flow Hydrographs, James R. Morgali, HY2:Feb 70:441:7069
TR:136:998
Lindenwold Line: A Model for Rail Rapid Transit, Eugene E. Dallaire, CE:Sept 70:90
Dsc: E. P. Foley, CE:Jan 71:64
TR:136:820
Man-Computer Graphic Transit System Planning, Mattias H. Rapp, Preprint No.1506, July 71
Man-Oriented Program System for Engineering, George Rabe and Vincent A. Trossello, ST1:Jan 71: 223:7850

Mapping for Changing Environment, Morris M. Thompson, SU1:Oct 69:35:6818
TR:136:339
Markov Models for Flow Regulation, Moshe Gablinger and Daniel P. Loucks, HY1:Jan 70:165: 7031
Mathematical Model For Water Distribution Systems, Mehdi S. Zarghamee, HY1:Jan 71:1:7797
Mathematical Tidal Study of St. Lawrence River, J. William Kamphuis, HY3:Mar 70:643:7141
TR:136:624
Minimum Weight Design with Stability Constraint, Mehdi S. Zarghamee, ST8:Aug 70:1697:7486
TR:136:1268
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189: 8357
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556
TR:136:72
Numerical Method of Computing Flow Profiles, Ramanand Prasad, HY1:Jan 70:75:7005
TR:136:546
Numerical Solution of Filtration Equations, Arun K. Deb, SA2:Apr 70:195:7199
OPBID: Competitive Bidding Strategy Model, Thomas L. Morin and Richard H. Clough, CO1: July 69:85:6690
TR:136:1062
Open-Channel Simulation by Digital Computer, C. Samuel Martin and Frank G. De Fazio, HY6:Nov 69:2049:6911
TR:136:644
Optimal Multifunctional Material Systems, Edward M. Krokosky, EM2:Apr 71:559:8077
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
Optimum Design of Trusses for Ultimate Loads, William S. LaPay and George G. Goble, ST1:Jan 71:157:7838
Panel - The Computer Revolution in Soil Engineering, Lymon C. Reese, John Lysmer, John T. Christian and G. A. Reti, Preprint No.1565, Oct 71
Parallel Processing Approach to Bridge Planning, Andrew K.C. Wong and Tung Au, ST1:Jan 71:115: 7822
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3: June 70:400:7355
Power and Energy Study of Hydroelectric Plants, Peri Z. Valvis and Miltos Th. Mathioudis, PO2:Mar 71:567:8003
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028
TR:136:937
Regional Control Supplied by Photogrammetry, G. Carper Tewinkel, SU1:May 71:13:8136
Reliability Analysis of Frame Structures, John D. Stevenson and Fred Moses, ST11:Nov 70:2409: 7692
Reservoir System Design Optimization, Richard J. Butsch, HY1:Jan 70:125:7023
TR:136:408
Scheduling Irrigations Using Climate-Crop-Soil Data, Marvin E. Jensen, David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524
Settlement Problem Oriented Computer Language, Robert L. Schiffman, Robert V. Whitman and Jane C. Jordan, SM2:Mar 70:649:7178
Simulation Model for Flow Augmentation Costs, Armando I. Perez, John C. Schaake, Jr. and Edwin E. Pyatt, HY1:Jan 70:131:7026
TR:136:429
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424
Specs-A Specification Production Computer System, Joseph M. Sussman, Robert D. Logcher and Howard D. Stotland, ST1:Jan 71:425:7844
Stability of Shells by Parametric Differentiation, S. K. Radhamohan, Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216
Structural Analysis by Computer Graphics, William F. Bates, Jr., ST11:Nov 69:2433:6914
TR:136:1099
Structural and Foundation Computer-Based Design, Richard F. Harig and Daniel J. McDermott, ST1: Jan 71:315:7843
Survey of Programs for Water-Surface Profiles, Bill S. Eichert, HY2:Feb 70:547:7098
TR:136:1012
Symposium on Traffic Assignment Methodology, Mo C. Li, Preprint No.1460, July 71
Technique for Interactive Computer Graphics in Design, Richard Douty and Sidney Shore, ST1:Jan 71:273:7837
Three-Dimensional Bar Cell for Elastic Stress Analysis, Alexander Hrennikoff and A. Gantayat, EM3:June 70:313:7352
TR:136:914
Tidal Computations for Rivers, Coastal Areas and Seas, J. J. Dronkers, HY1:Jan 69:29:6341
TR:136:18
Tower Designs for AEP 765-KU Project, Richard A. Kravitz and James A. Samuelson, PO2:Oct 69:305: 6855
Tsunami Refraction Diagrams by Digital Computer, Garbis H. Keulegan and John Harrison, WW2:May 70:219:7261
TR:136:602
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133
Unsteady Flow in Channel of Variable Cross Section, John Ellis, HY10:Oct 70:1927:7583
TR:136:1264
Unsteady Free-Surface Flow Computations, E. Benjamin Wylie, HY11:Nov 70:2241:7683
TR:136:1208
Vibrational Characteristics of Linear Space Frames, William D. Whetstone and Charles E. Jones, ST10: Oct 69:2077:6821
TR:136:297
Vibrations of Timoshenko Beams and Frameworks, Franklin Y. Cheng, ST3:Mar 70:551:7155
TR:136:866

Computer Systems Programs

Computer Methods for Building System Design, K. F. Reinschmidt, Preprint No.1356, Apr 71
Computer Systems for Urban Design and Development, Niles O. Sutphin, William F. Sommerfeld, Lavette C. Teague, Jr. and G. Neil Harper, UP1:Apr 71:63:8055
Systems Analysis of Water Distribution Networks, Richard de Neufville, John C. Schaake, Jr. and Joseph H. Stafford, SA6:Dec 71:825:8575

Concentrated Loads

Behavior of Loaded Cable Systems, W. Terence O'Brien, ST10:Oct 68:2281:6162
TR:136:627

Concrete

Behavior of Laterally Reinforced Concrete ColumnF, Edwin G. Burdette and Hubert K. Hilsdorf, ST2: Feb 71:587:7905
Bonded Concrete Overlays, Raouf Sinno and Howard L. Furr, ST8:A..g 70:1627:7450
Bridge Engineer Looks at Esthetics of Structures, Reece H. Wengenroth, ST4:Apr 71:1227:8074
Buckling of Reinforced Concrete Shells, P. Harvey Griggs, EM3:June 71:687:8173
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934
Concrete Chimney Design, Construction and Operation, Philip G. Sikes, PO3:June 70:449:7368
Concrete Median Barrier Safely Redirects Impacting Vehicles, Edwin C. Lokken, CE:Oct 71:77
Diagonal Tension Cracking in Concrete Beams with Axial Forces, Alan H. Mattock, ST9:Oct 69:1887: 6776
TR:136:221

XUM

Flexural Members with Confined Concrete, Dudley Charles Kent and Robert Park, ST7:July 71:1969: 8243
Flexural Rigidity of Concrete Column Sectione, Ian C. Medland and Donald A. Taylor, ST2:Feb 71: 573:7933
Griffith Fracture Criterion and Concrete, Surendra P. Shah and Fred J. McGarry, EM6:Dec 71:1663: 8597
Grouting Preplaced Aggregate to Form Concrete, Albert B. Crosby, Preprint No.1523, Oct 71
Limit States Design, Raymond C. Reese, Preprint No.1537, Oct 71
Making Highways Skid-proof, John L. Beaton, CE: Mar 71:42
Potrero Hill Slide and Correction, Travis Smith and Raymond Forsyth, SM3:Mar 71:541:8004
Revetment Construction by Fabriform Process, Bruce A. Lamberton, CO1:July 69:49:6677
TR:136:256
Seismic Analysis of Nuclear Power Plant Structures, Richard N. Bergstrom, Shih-Lung Chu and Robert J. Small, PO2:Mar 71:367:7977
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588
Wear Resistant Industrial Floors of Portland-Cement Concrete, R. F. Ytterberg, CE:Jan 71:68

Concrete (Blocks)
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Hydraulic Resistance of Artificial Concrete Blocks, Nobuo Shuto and Hiroshi Hashimoto, 12CEC: pp.1587-1599, 1971

Concrete (Lightweight)
Ultimate Energy Design of Prestressed Concrete Fender Piling, Shu-t'ien Li and Venkataswamy Ramakrishnan, WW4:Nov 71:647:8527

Concrete (Post-Tensioned)
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807: 7961
Containment Structure For Trojan Nuclear Plant, Jacob K. Aldersebaes and Karl Wiedner, PO2:Mar 71:351:7957
Heavy Prestressed Girders Cast in Segments, Harold Nelson, CE:Feb 70:75
TR:136:210

Concrete (Precast)
Concrete-Polymer Composites, Lawrence E. Kukacka, Peter Colombo, Meyer Steinberg and Bernard Manowitz, ST9:Sept 71:2217:8363
Construction Of Large Concrete Ocean Structures, Ben C. Gerwick, Jr., CO1:Mar 71:1:7991
Construction Self-Weight Stresses of Precast Shear Walls, Donald H. Orme, Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840
Dam Has Slipformed Upstream Face, Precast Downstream Face, V. M. Wallingford, CE:Nov 70: 49
TR:136:1022
Heavy Prestressed Girders Cast in Segments, Harold Nelson, CE:Feb 70:75
TR:136:210
Modular Systems Make Shore Protection Economical, Carl R. Wilder and Earl R. Koller, CE:Oct 71:60
Moment Redistribution in Precast Concrete Frame, Harold W. Conner, Paul H. Kaar and W. Gene Corley, ST3:Mar 70:637:7168
TR:136:858
Multistory Prefabricated Columns, German Gurfinkel, CO2:Oct 70:137:7587
Precast Concrete Tunnel Linings for Toronto Subway, John V. Barlett, CO2:Nov 71:241:8498

Concrete (Prestressed)
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807: 7961
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Computer Plotted Prestressed Concrete Design Charts, Leonard Rice, ST3:Mar 71:863:7993
Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Current European Views on Structural Safety, E. R. Rowe, ST3:Mar 70:461:7132
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71
Dynamic Driving Stresses in Prestressed Concrete Piles, Arthur R. Anderson and Saad E. Moustafa, CE:Aug 71:55
Effects of Creep and Shrinkage on Prestressed Concrete Columns, William J. Wilhelm and Paul Zia, ST10:Oct 70:2103:7614
Epoxy Injections Repair Historic Prestress Concrete Bridge, Henry G. Garfield, CE:Mar 71:39
Dsc: James R. Libby, CE:Aug 71:38
Fatigue Tests of Prestressed Concrete I-Beams, John M. Hanson, Cornie L. Hulsbos and David A. VanHorn, ST11:Nov 70:2443:7705
Field Observation of Tagus River Suspension Bridge, Jose Marecos, Mario Castanheta and J. Teixeira Trigo, ST4:Apr 69:555:6492
TR:136:675
Heavy Prestressed Girders Cast in Segments, Harold Nelson, CE:Feb 70:75
TR:136:210
Hyperbolic Functions for Prestress Loss and Camber, Raouf Sinno and Howard L. Furr, ST4:Apr 70:803: 7227
TR:136:876
Long Prestressed Piles, E. W. Alley, CE:Apr 70:50
Dsc: Halvard W. Birkeland, CE:July 70:57
TR:136:342
Motar Models of Prestressed Concrete Reactor Vessels, James M. Corum, Richard N. White and Jack E. Smith, ST2:Feb 69:229:6419
TR:136:21
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Prestressed Concrete Developments Around the World, Ben C. Gerwick, Jr., CE:Dec 70:55
TR:136:1234
Prestressed Concrete for County Bridge Solves Maintenance Problems, Frank J. Brechting, Jr., CE: June 70:74
TR:136:562
Prestressing For H.B. Robinson Nuclear Plant, Allan H. Wern, Morris Schupack and W. Larson, PO2: Mar 71:539:7992
Relaxation Tests on Alloy Steel Bars, Murray A. Muspratt, ST5:May 71:1533:8128
Saint Louis Bay Bridge, Richard E. Whitaker, CO2: Oct 70:149:7588
TR:136.1111
Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265
Structural Behavior of Prestressed Concrete Reactor Vessels, Stanley L. Paul, ST7:July 71:1879:8249
Temporary Bypass Bridge Designed for Salvage, Alfred R. Pagan, CE:Mar 70:51
Dsc: C. F. Hamlin, CE:Sept 70:72
TR:136:267
Torsion, Bending and Shear in Prestressed Concrete, Priya R. Mukherjee and Joseph Warwaruk, ST4: Apr 71:1063:8041
Ultimate Energy Design of Prestressed Concrete Fender Piling, Shu-t'ien Li and Venkataswamy Ramakrishnan, WW4:Nov 71:647:8527
What Do We Know About Torsion in Concrete Members, Paul Zia, ST6:June 70:1185:7372
TR:136:1313

Concrete (Reinforced)
Analysis of Dowel Action, David W. Johnston and Paul Zia, ST5:May 71:1611:8147
Arch Action and Bond in Concrete Shear Failures, Ramnath N. Swamy, Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338
Behavior of Simply Supported Slabs, Murray A. Muspratt, ST12:Dec 69:2703:6945
Bridge Deck Deterioration and Crack Control, Joseph P. Callahan, James L. Lott and Clyde E. Kesler, ST10:Oct 70:2021:7579
TR:136:1157
Buckling of Reinforced Concrete Shells, P. Harvey Griggs, EM3:June 71:687:8173
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Circular Discontinuously Braced Excavation (In Spanish), Andres Perez M. Endesa, 4PCSM:pp.203-209, 1971
Concrete Beams in Bending, Torsion and Shear, Arthur E. McMullen and Joseph Warwaruk, ST5:May 70:885:7270
TR:136:1255
Concrete Beams with Prestressed Reinforcement, Alfred Bishara and Filomeno N. Almeida, ST7:July 70:1445:7411
TR:136:1319
Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016
Construction Of Multibarrier Containment Vessels, D. M. Leppke, C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Conventionally Reinforced Nuclear Containments, Clarence T Gordon and William L Klehm, ST2:Feb 70:199:7065
TR:136:542
Coupling Beams of Reinforced Concrete Shear Walls, Thomas Paulay, ST3:Mar 71:843:7984
Crack Width Control in Reinforced Concrete Two-Way Slabs, Edward G. Nawy and Glenn S. Orenstein, ST3:Mar 70:701:7182
TR:136:883
Creep Deflection of Reinforced Concrete Beams, Charles A. Miller and Sidney A. Guralnick, ST12:Dec 70:2625:7768
Current European Views on Structural Safety, E. R. Rowe, ST3:Mar 70:461:7132
Deep Slabs Subjected to Static and Blast Loading, Gayle E. Albritton, ST11:Nov 69:2449:6919
TR:136:365
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71
Detroit Metropolitan Wayne County Airport, Lin Y. Huang, CE:July 70:55
TR:136:533
Elasto-Plastic Seismic Response of Reinforced Concrete Frame, Warren R. Walpole and Robin Shepherd, ST10:Oct 69:2031:6813
TR:136:261
Failure Probabilities of Reinforced Concrete Beams, James F. Costello and Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324
Finite Element Analysis of Reinforced Concrete Slabs, Jan C. Jofriet and Gregory M. McNeice, ST3:Mar 71:785:7963
Folded Plate and Shell Ultimate Strength Concept, George C. Ernst and Arvin R. Riveland, Preprint No.1365, Apr 71
Full-Size Lightweight Concrete Column4, Donald W. Pfeifer, ST2:Feb 71:495:7903
Inelastic Behavior of R/C Cylindrical Shells, Harry G. Harris and Richard N. White, Preprint No.1401, Apr 71
Integrated System For RC Building Design, John M. Biggs, Peter J. Pahl and Harry N. Wenke, ST1:Jan 71:13:7816
Maximum Safe Loading of Folded Plate Structures, Morris N. Fialkow, Preprint No.1380, Apr 71
Membrane Shear Transfer in R/C Containment Vessels, Richard N. White and Myle J. Holley, Jr., Preprint No.1395, Apr 71
Moment Redistribution in Precast Concrete Frame, Harold W. Conner, Paul H. Kaar and W. Gene Corley, ST3:Mar 70:637:7168
TR:136:858
Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, Dong W. Lee and John E. Breen, Preprint No.1411, Apr 71
Partially Cracked Finite Elements, John C. Bell and David G. Elms, TN: ST7:July 71:2041:8226
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Rehabilitation of Offshore Platforms, John J. Givens and Greg Carter, CE:Apr 70:47
TR:136:333
Reinforced Concrete Beam-Column Connection, Eric F.P. Burnett and Rajendra P. Jajoo, ST9:Sept 71:2315:8395
Reinforcement for Torque in Spandrel L-Beams, Umakanta Behera, K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Shear Strength of Reinforced Concrete Beams, Bengt B. Broms, ST6:June 69:1339:6636
TR:136:148
Simulated Seismic Loading of Spandrel Beams, Thomas Paulay, ST9:Sept 71:2407:8365
Slabs with Variable Straight Reinforcement, George I. N. Rozvany and Donald E. Charrett, ST5:May 71:1521:8095
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729:8544
Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265
Stirrup Effectiveness in RC Beams with Axial Force, Munther J. Haddadin and Alan H. Mattock, ST9:Sept 71:2277:8394
Structural Behavior of Prestressed Concrete Reactor Vessels, Stanley L. Paul, ST7:July 71:1879:8249
Structural Design of Wells Hydrocombine, C. C. Wang, PO2:Mar 71:281:7980
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Sustained Biaxial Load on Slender Concrete Columns, Robert G. Drysdale and Mark W. Huggins, ST5:May 71:1423:8103
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71:1097:8031
Three Support Systems Used to Build Bridge Substructure, Kristian Tonning, CE:Dec 71:43
Time Dependent Behavior of Concrete Beams, John D. Mozer, Kurt H. Gerstle and Leonard G. Tulin, ST3:Mar 70:597:7157
TR:136:623
Torsion, Shear, and Bending on Stirruped L-Beams, Umakanta Behera and Phil M Ferguson, ST7:July 70:1271:7419
Undersea Oil Storage Tank, Robert S. Chamberlin, CE:Aug 70:57
Dsc: F. Hatfield, CE:Nov 70:65
TR:136:634
What Do We Know About Torsion in Concrete Members, Paul Zia, ST6:June 70:1185:7372
TR:136:1313

Concrete Blocks
Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241

XUM

Reinforced Masonry Bearing Walls Used in 13-Story Buildings, Robert F. Higgins, CE:Nov 70:40
TR:136:994

Concrete Construction
Cellular Steel Floors Mature, Eugene E. Dallaire, CE:July 71:70
Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016
Ductile-Frame Tie Bars, John T. Merrifield and Albert P. Jensen, CE:Nov 71:52
Earthquake-Resistant Reinforced-Concrete Buildings, Paul Rogers, CE:Aug 71:32
Dsc: Clarence J. Derrick, CE:Dec 71:71
Longest Prestressed Girders for New York City Bridge, Robert Cuccioli, CE:Apr 71:72
Prestressed Rock Anchors and Shotcrete for Large Underground Powerhouse, Michel Buro, CE:May 70:60
TR:136:427
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475:7966
Torsion of Perforated Concrete Shafts, Riko Rosman, ST5:May 69:991:6578
TR:136:115

Concrete Durability
Estimation of Pavement Surface Freezing Indices, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:587:6871
TR:136:150
Quick Quality Testing of Concrete, Peter Smith, CE:Aug 70:52
TR:136:621

Concrete Pavements
Breaking Load for Rigid Pavement, K. K. Ghosh and M. Dinakaran, TE1:Feb 70:87:7108
TR:136:400
New Paving Concept for Newark Airport, Nai C. Yang, CE:Sept 70:95
Dsc: Fred Bennett, CE:Jan 71:67
TR:136:832

Concrete Piles
Chesapeake Bay Bridge Substructure, Kristian Tonning, Preprint No.1398, Apr 71
Long Prestressed Piles, E. W. Alley, CE:Apr 70:50
Dsc: Halvard W. Birkeland, CE:July 70:57
TR:136:342
Three Support Systems Used to Build Bridge Substructure, Kristian Tonning, CE:Dec 71:43

Concrete Pipes
Manning n for Cast-in-Place Concrete Pipe, Thomas T. Wilson, Jr. and Edib Kirdar, HY3:May 69:995:6575
TR:136:132
What's New in Water and Sewer Pipe, Kneeland A. Godfrey, Jr., CE:Oct 70:46
TR:136:894

Concrete Products
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Economical Design of Reinforced Concrete Slabs and Walls, Balbir S. Sandhu, CE:July 71:68

Concretes
Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70:2125:7597
Basic Structural Design of Concrete Chimneys, Wadi S. Rumman, PO3:June 70:309:7334
Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241
Behavior of Concrete Under Varying Strain Gradients, I. Demir Karsan and James O. Jirsa, ST8:Aug 70:1675:7484
Behavior of Wood-Concrete Composite Beams, George Pincus, ST10:Oct 70:2009:7592
TR:136:1170
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Compression-Tests on Hoop-Reinforced Concrete, Norman F. Somes, ST7:July 70:1495:7417
Concrete Deep Submergence Hollow Shell Structures, Jerry D. Stachiw, ST12:Dec 69:2931:6982
TR:136:496
Creep Deflection of Reinforced Concrete Beams, Charles A. Miller and Sidney A. Guralnick, ST12:Dec 70:2625:7768
Detroit Metropolitan Wayne County Airport, Lin Y. Huang, CE:July 70:55
TR:136:533
Extensibility of Concrete and Theorems of Limit Analysis, Wai F. Chen, EM3:June 70:341:7369
TR:136:874
Failure Probabilities of Reinforced Concrete Beams, James F. Costello and Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324
Fracture Mechanism in Concrete: How Much do We Know?, Sandor Popovics, EM3:June 69:531:6604
TR:136:118
Investigation of Deteriorated Concrete Arch Dam, David Pirtz, Arthur G. Strassburger and Richard C. Mielenz, PO1:Jan 70:23:6997
TR:136:300
Shrinkage and Shrinkage Restraints in Concrete Pavements, Shigeyoshi Nagataki, ST7:July 70:1333:7402
Study of Pipe with Concrete Bedding-Part II, Harvey C. Olander and Gordon G. Robertson, TE1:Feb 70:25:7087
TR:136:324
Sulfuric Acid Attack on Concrete Sewer Pipe, Alvin H. Meyer and William B. Ledbetter, SA5:Oct 70:1167:7624
TR:136:1117

Concrete Slabs
Behavior of Simply Supported Slabs, Murray A. Muspratt, ST12:Dec 69:2703:6945
Crack Width Control in Reinforced Concrete Two-Way Slabs, Edward G. Nawy and Glenn S. Orenstein, ST3:Mar 70:701:7182
TR:136:883
Deep Slabs Subjected to Static and Blast Loading, Gayle E. Albritton, ST11:Nov 69:2449:6919
TR:136:365
Slabs with Variable Straight Reinforcement, George I. N. Rozvany and Donald E. Charrett, ST5:May 71:1521:8095
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612

Concrete Structures
Construction Of Large Concrete Ocean Structures, Ben C. Gerwick, Jr., CO1:Mar 71:1:7991
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71
Optimum Design of Reinforced Concrete Tanks, Robert E. Melchers and George I. N. Rozvany, EM6:Dec 70:1093:7739
Uniqueness Theorem for Nonlinear Plane Frames, Om Dutt and Niels C. Lind, ST6:June 70:1061:7330
TR:136:1306

Condensation
Dry-type Cooling Towers, Edward A. Cecil, Paul R. Cunningham, Clarence J. Steiert and Rodger O. Young, Preprint No.1540, Oct 71

Condensers (Liquefiers)
Waste Heat Disposal from Power Generating Stations, F. Stewart Brown, PO3:June 70:277:7317 TR:136:982

Conduits
Angat Project - The Leak in Tunnel Two, Wallace A. Waldorf, PO4:Dec 71:799:8571
Cement Stabilized Fill for Conduit Support, Richard B. Catanach and Thomas N. McDaniel, TN: SM6: June 71:959:8162
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110
Manning n for Cast-in-Place Concrete Pipe, Thomas T. Wilson, Jr. and Edib Kirdar, HY3:May 69:995: 6575 TR:136:132
Resonance in Pressurized Piping Systems, Mohammad Hanif Chaudhry, HY9:Sept 70:1819: 7525
Sizing of Pumped Storage Conduits, Raymond K. Sullivan, Jr., PO3:July 71:667:8252

Conferences
The Civil Engineer in the Concept Team, William H. Wisely, CE:Dec 71:37
Social and Environmental Factors in Design, Kneeland A. Godfrey, Jr., CE:Sept 70:48 TR:136:681

Confined Water
Seepage Under Structure on Four Soil Strata, Charles W. Lenau, EM2:Apr 71:223:8058
Variational Principles for Flow in Porous Media, Shlomo P. Neuman and Paul A. Witherspoon, EM2:Apr 71:359:8023

Conformal Mapping
Approximate Solution to Flow Problems Under Dams, Demetrious G. Christoulas, SM11:Nov 71: 1573:8528

Conical Bodies
Torsional Vibrations of Conical Frustum, Surendra R. Shah, EM5:Oct 71:1521:8452

Connecticut
Mathematical Model of Mixing in New Haven Harbor, Michael D. Disko, Robert A. Norris and Francis C. Lutz, 12CEC:pp.1847-1866, 1971

Connectors
Composite Beams with Partial Connection, Hugh Robinson and I. W. Wallace, Preprint No.1549, Oct 71

Conservation
Can Development and Ecology be Reconciled?, John E. Skinner, CE:Apr 71:67 Dsc: Edward A. Abdun-Nur, CE:Sept 71:67
Hydrology and Erosion of Loessial Watersheds, Keith E. Saxton, Ralph G. Spomer and Larry A. Kramer, HY11:Nov 71:1835:8523
Montana Highway and Wildlife Professions Cooperate, John C. Peters, CE:Nov 70:58 Dsc: John C. Peters, CE:Apr 71:71 TR:136:1123
Peat and Muck Drainage Problems, John C. Stephens, IR2:June 69:285:6603 TR:136:1098
Reservoir Operation With Imperfect Flow Forecasts, Samuel O. Russell and William F. Caselton, HY2: Feb 71:323:7931
Students Tackle Pollution Problems, Darrell J. Turner, CE:Sept 70:51 Dsc: M. S. Misra, CE:Jan 71:64 TR:136:694
Tunnel Vision or Ecological View, Virginia M. Hine, IR3:Sept 71:397:8368
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144 TR:136:906

Consolidation
The Allowable Settlement of Structures, Hugh Q. Golder, 4PCSM:pp.171-187, 1971
An Analysis of Consolidation Theories, Robert L. Schiffman, Albert T-F Chen and Jane C. Jordan, SM1:Jan 69:285:6370 TR:136:650
Consolidation at Constant Rate of Strain, Anwar E.Z. Wissa, John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447
Consolidation Under Constant Rates of Strain, Ronald E. Smith and Haryl L. Wahls, SM2:Mar 69: 519:6452 TR:136:45
Controlled Gradient Consolidation Test, John Lowe, III, Ernest Jonas and Vladimir Obrician, SM1:Jan 69:77:6327 TR:136:1
Field Studies of Response of Peat to Plate Loading, J. B. Forrest and I. C. MacFarlane, SM4:July 69: 949:6652 TR:136:146
Foundation Precompression With Vertical Sand Drains, Stanley J. Johnson, SM1:Jan 70:145:7019
Foundation Precompression with Vertical Sand Drains, Stanley J. Johnson, PISST:pp.9-39, 1971
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71: 253:7832
Mechanisms Controlling Compressibility of Clays, Roy E. Olson and Gholamreza Mesri, SM6:Nov 70:1863:7649
Plane Strain Consolidation by Finite Elements, John T. Christian and Jan Willem Boehmer, SM4:July 70:1435:7437
Precompression for Improving Foundation Soils, Stanley J. Johnson, SM1:Jan 70:111:7020 TR:136:578
Precompression for Improving Foundation Soils, Stanley J. Johnson, PISST:pp.53-86, 1971
Review of Collapsing Soils, John H. Dudley, SM3: May 70:925:7278 TR:136:1305
Settlements Near Excavations (In Spanish), Jesus Alberro, 4PCSM:pp.211-224, 1971
Strength of Anisotropically Consolidated Compacted Clay, Kenneth L. Lee and Ross A. Morrison, SM6: Nov 70:2025:7703
Undrained Strength of Anisotropically Consolidated Sand, Kenneth L. Lee and H. Bolton Seed, SM2: Mar 70:411:7136 TR:136:786
Undrained Strength of Compacted Clay, Kenneth L. Lee and Robert J. Shubeck, SM1:Jan 71:219:7833

Consolidation Coefficient
Consolidation at Constant Rate of Strain, Anwar E.Z. Wissa, John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447
Inflection Point Method for Computing Cv, Francis R. Cour, TN: SM5:May 71:827:8087

Constraints
Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, Kneeland A. Godfrey, Jr., CE:Sept 70:73 Dsc: A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56 TR:136:740
Systematic Analysis of Airport Congestion as a Constraint on Air Travel, George N. Bower and J. Robert Bennett, Preprint No.1496, July 71

Construction
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Atlanta's Instant Runway, Robert W. Richards, TE3: Aug 71:491:8306
Better Designs for Man through Teamwork, Training, Research, and Feedback, Calvin W. Taylor, ABS: pp.11-36, 1971
Bidding Contingencies and Probabilities, Marvin Gates, CO2:Nov 71:277:8524

XUM

Bidding With Competitive Strategy Models, Louis R. Shaffer and Terry W. Micheau, CO1:Mar 71:113: 8008

Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314

Booby Traps for Young Engineers on Construction, Edward A. Merrill, CO2:Nov 71:305:8541

Building Construction Games-General Description, Tung Au and Ernest W. Parti, CO1:July 69:1:6645
TR:136:15

Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934

Calvert Cliffs - Focus on Structures, Donald T. Ward and Clifford M. Robinson, Jr., Preprint No.1408, Apr 71

Causes of Delay in the Construction Industry, John R. Baldwin, James M. Manthei, Harold Rothbart and Robert B. Harris, CO2:Nov 71:177:8501

Changed Soil and Rock Conditions in Construction, George F. Sowers, CO2:Nov 71:257:8509

Chemical Grouting for Paris Rapid Transit Tunnels, Jean J. Janin and Guy F. Le Sciellour, CO1:June 70:61:7382
TR:136:530

The City is the People--So is the Planning/Building Process, Morton Hoppenfeld, ABS:pp.91-100, 1971

Construction Control by Programmetric Methods, George P. Katibah, SU1:Oct 69:1:6809
TR:136:1084

Construction Cost of Expressways, Barbara A. Huvane, TE2:May 71:173:8113

Construction Course for Junior High Schools, Donald G. Lux and Willis E. Ray, CE:May 71:37

Construction Expediting, Arthur Monsey, CO1:June 70:19:7356
TR:136:1314

Construction Innovations In Reclamation Work, Bernard P. Bellport, CO1:Mar 71:79:7999

Construction Of Large Concrete Ocean Structures, Ben C. Gerwick, Jr., CO1:Mar 71:1:7991

Construction Of Multibarrier Containment Vessels, D. M. Leppke, C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002

Containment Structure For Trojan Nuclear Plant, Jacob K. Aldersebaes and Karl Wiedner, PO2:Mar 71:351:7957

Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576

The CPM-by-Calendar Algorithm, John B. O'Shea, CO2:Oct 68:139:6142
TR:136:572

Cross-Country Pipeline Construction, Frederick J. Seeger and John A. Havers, TE4:Nov 70:603:7667
TR:136:1270

Decisions under Uncertainty in Construction Management, Tung Au and Richard M. Shane, Preprint No.1355, Apr 71

Design and Construction of Mossyrock Penstocks, Edgar T. Moore, PO1:Jan 71:49:7799

Design, Construction and Performance of Sesquile Dam, Tomas Shuk, Ricardo Cajiao and Jesus M. Sierra, SM1:Jan 70:177:6996
TR:136:379

Developing a Handbook for Subway Ventilation, Norman H. Danziger, Preprint No.1520, July 71

Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967

Earthwork Quantities by Random Sampling, Marvin Gates and Amerigo Scarpa, CO1:July 69:65:6681
TR:136:359

Effects of Foundation Construction on Nearby Structures, David J. D'Appolonia, 4PCSM:pp.189-236, 1971

EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851

Estimation of Wave Parameters at Marine Construction, Yu M. Krylov, S. S. Strekalov and V. F. Tsyploukhin, TN: WW4:Nov 71:793:8491

Final Committee Position on The AGC's Recommendation that Approved Securities be Posted in Lieu of Retained Percentages, by the Committee on Contract Adminstration of the Construction Division, Robert D. Rowland, Chmn., CO2:Nov 71:271:8517

Flathead Railroad Tunnel Construction, Hans Sacrison, CO1:Mar 71:127:8009

Forty Years of Engineered Construction, Hal W. Hunt, CE:Oct 70:57
TR:136:955

Foundations for Salem Nuclear Generating Station, Muzaffer Kehnemuyi, CE:May 70:52
TR:136:412

Heave and Lateral Movements Due to Pile Driving, Donald J. Hagerty and Ralph B. Peck, SM11:Nov 71:1513:8497

Heuristic Gaming Approach to Construction Management, D. W. Halpin and Ronald W. Woodhead, Preprint No.1550, Oct 71

The Human Factor, Charles R. Schrader, Preprint No.1426, July 71

Impact of Weather on Construction Planning, Neal B. H. Benjamin and Charles S. Davis, Preprint No.1551, Oct 71

Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505

Investigation and Analysis of Causes of Delay in the Construction Industry, Harold Rothbart, Preprint No.1368, Apr 71

Land Reclamation and Groin-building in the Tidal Flats, Heie Focken Erchinger, 12CEC:pp.1041-1052, 1971

Mathematical Model for Aggregate Plant Production, Donn E. Hancher and John A. Havers, TN: CO1: Mar 71:171:7972

Model Tests and Studies For Port Rashid, Dubai, Eric Loewy, 12CEC:pp.1137-1149, 1971

Multistory Prefabricated Columns, German Gurfinkel, CO2:Oct 70:137:7587

Multi-year Construction Contracts, Donald A. Patrick, CE:Jan 71:65

OPBID: Competitive Bidding Strategy Model, Thomas L. Morin and Richard H. Clough, CO1: July 69:85:6690
TR:136:1062

Optimal Construction Staging by Dynamic Programming, Monroe L. Funk and Frank A. Tillman, HW2:Nov 68:255:6215
TR:136:787

Optimal Highway Staging by Dynamic Programming, Richard de Neufville and Yasuo Mori, TE1:Feb 70: 11:7080
TR:136:1223

Optimum Replacement Life Of Large Scrapers, Charles R. Schrader, CO1:Mar 71:37:8000

Outline of Research Requirements for Construction, W. F. Burkart, CO2:Oct 68:233:6189
TR:136:601

Owner's Return from CPM-Fact or Fiction, Lewis W. McBride, CO1:June 70:1:7316
TR:136:461

Pavement Evaluation by Wave Propagation Method, Keshavan Nair, TE1:Feb 71:83:7900

Philadelphia-Lindenwold High-Speed Line Surveys, Carl E. Hultin, SU1:May 71:7:8096

Planning Monitoring Frequencies for CPM Projects, Douglas A. Elvers, CO2:Nov 71:211:8503

Port Construction At Burns Waterway Harbor, John H. McGavock, Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990

Practical Applications of Codes in Construction of Pipelines, David R. Williams, Jr., TE4:Nov 70:471: 7657
TR:136:1256

Precast Concrete Tunnel Linings for Toronto Subway, John V. Barlett, CO2:Nov 71:241:8498

A Profile of the Future Construction System, Joseph C. Kellogg, CO1:Mar 71:147:7938

Project Planning Game for Foundation Excavation, Tung Au and Ernest W. Parti, CO1:July 69:11:6646
TR:136:152

Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508
Pump Storage at Harry S. Truman Dam, Robert G. Burnett and John O. Christensen, Preprint No.1415, Apr 71
Railway Box-girder Bridge Erected by Launching, Jackson L. Durkee, Preprint No.1416, Apr 71
Rehabilitation of Offshore Platforms, John J. Givens and Greg Carter, CE:Apr 70:47
TR:136:333
Report on Recommended Amendments to AIA General Conditions (A-201), Eleventh Edition, September, 1967, by the Committee on Contract Administration of the Construction Division, Robert Rowland, Chmn., CO2:Oct 70:165:7640
Revetment Construction by Fabriform Process, Bruce A. Lamberton, CO1:July 69:49:6677
TR:136:256
Saint Louis Bay Bridge, Richard E. Whitaker, CO2:Oct 70:149:7588
TR:136:1111
Statistical Theory in Materials Sampling, Norman J. Cohen, CO1:Mar 71:95:8005
Steel Penstock Design For Tims Ford Dam, George E. Day and Horace S. Beckner, PO1:Jan 71:203:7803
Study of Pipe with Concrete Bedding-Part II, Harvey C. Olander and Gordon G. Robertson, TE1:Feb 70:25:7087
TR:136:324
Suction Wells Dewater Large Construction Site, Robert G. Lenz, CE:Feb 70:40
TR:136:175
Syntactic Foams for Deep Sea Engineering Applications, Israel Resnick and Aleksander Macander, CO1:June 70:45:7367
Temporary Bypass Bridge Designed for Salvage, Alfred R. Pagan, CE:Mar 70:51
Dsc: C. F. Hamlin, CE:Sept 70:72
TR:136:267
Tension Piles and Diagonal Tie-Backs, Norman L. Liver, CO1:July 69:107:6692
TR:136:1124
Theories of Closure of Rockfill Dams, John A. Sandover, CO2:Nov 71:313:8542
Thin Underwater Concrete Structures, Odd E. Gjorv, CO1:June 70:9:7326
TR:136:494
Topographic Maps for Construction Planning, Robert H. Lyddan, SU1:Apr 70:51:7221
TR:136:762
Transporting Equipment for Grand Coulee Third Plant, Harold G. Arthur, PO2:Nov 68:125:6226
TR:135:289
Upgrading Overseas Construction Contracts, Gordon L. Williams, CE:Dec 70:51
TR:136:1224
Vibration of Chimney Supported on Elevated Concrete Slab, Elias G. Abu-Saba, ST2:Feb 71:619:7936
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TR:136:994

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TR:136:955
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TR:136:6
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TR:136:1314
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TR:136:286

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TR:136:556
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TR:136:908

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TR:136:138

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TR:136:529
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TR:136:695
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TR:136:352

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TR:136:1157
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TR:136:1276
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TR:136:344
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TR:136:397

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TR:136:128

Cracking
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TR:136:889
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TR:136:79

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TR:136:876
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TR:136:970

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TR:136:695

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TR:136:1314
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TR:136:572
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TR:136:461
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TR:136:987
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TR:136:1160
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TR:136:577

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TR:136:514
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TR:136:353
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TR:136:430
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TR:136:894

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TR:136:957

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TR:136:1034
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TR:136:1031
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TR:136:1058
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TR:136:989
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TR:136:553
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XUM

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TR:136:186
Cyclic Yield Reversal in Steel Building Joints, Egor P. Popov and Bruce R. Pinkney, ST3:Mar 69:327: 6441
TR:136:39
Fatigue Tests of Beams with Rectangular Web Holes, Ronald W. Frost and Robert E. Leffler, SM2:Feb 71:509:7913
Response of Rate-Sensitive Frames to Impulsive Loads, Nicholas Perrone, EM1:Feb 71:49:7890
Test Procedures for Measuring Soil Liquefaction Characteristics, H. Bolton Seed and William H. Peacock, SM8:Aug 71:1099:8330

Cylinders
Tests on Cylinders in Turbulent Flow, Walter H. Graf and Stephen C. Ko, TN: HY8:Aug 71:1265: 8274

Cylindrical Shells
Analytical Study of Tubular Tee-Joints, Alexander C. Scordelis and Jack G. Bouwkamp, ST1:Jan 70:65: 7016
TR:136:532
Buckling of Open Cylindrical Shells with Imperfections, Peter Turula and Kuang-Han Chu, EM6:Dec 70:1125:7733
TR:136:1308
Buckling of Open Cylindrical Shells Under Lateral Load, Kuang-Han Chu and Peter Turula, EM6:Dec 70:1143:7736
TR:136:1315
Cylindrical Concrete Hulls under Hydrostatic Loading, Harvey H. Haynes and N. D. Albertsen, Preprint No.1363, Apr 71
Cylindrical Shell Subject to Longitudinal Line Load, Amir K. Naghdi, EM5:Oct 70:653:7617
TR:136:1246
Cylindrical Shell Under Sudden PressurizatioS, Edward G. Lovell, EM6:Dec 70:1229:7776
TR:136:1331
Dynamic Buckling of Cylindrical Shell, Charles C. Cromer and Robert E. Ball, EM3:June 71:657:8187
Dynamic Response of Imbedded Cylindrical Shell, Raymond Parnes, EM2:Apr 71:421:8073
Forced Motion of Cylindrical Shells, Herbert Reisman and John Medige, EM5:Oct 68:1167:6183
TR:136:17
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Nonsymmetric Vibrations of Thin Cylindrical Shells, Chi-Wen Lin, ST10:Oct 70:2175:7632
Postbuckling Behavior of Open Cylindrical Shells, Kuang-Han Chu and Peter Turula, EM6:Dec 70: 877:7723
TR:136:1298
Vibration Analysis of Thin Cylindrical Containers, Anand S. Arya, Shashi K. Thakkar and Atul C. Goyal, EM2:Apr 71:317:8010
Wave Propagation in Transversely Isotropic, Layered Cylinders, Henry E. Keck and Anthony E. Armenakas, EM2:Apr 71:541:8071

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Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
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Damping
Deformation Characteristics of Sands Under Cyclic Loading, Marshall L. Silver and H. Bolton Seed, SM8:Aug 71:1081:8334
Dynamic Moduli and Damping Ratios For Soft Clay, William D. Kovacs, H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Dynamic Prestraining of Dry Sand, Vincent P. Drnevich and Frank E. Richart, Jr., SM2:Mar 70: 453:7160
TR:136:592
Empirical Damping Constants for Sands and Clays, Harry M. Coyle and Gary C. Gibson, SM3:May 70:949:7296
TR:136:1275
Periodic Excitation of Multiple-Unit Impact Dampers, S. F. Masri, EM6:Dec 70:1195:7747
TR:136:1321
Seismic Response of Soil Deposits, Izzat M. Idriss and H. Bolton Seed, SM2:Mar 70:631:7175
TR:136:840
Structural Dampers, P. Mahmoodi, ST8:Aug 69:1661: 6725
TR:136:98
U.S. Steel Headquarters Building, CE:Apr 70:58
TR:136:361

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Arch Dam Design: State-of-the-Art, Merlin D. Copen and Loyd R. Scrivner, PO1:Jan 70:93:7021
TR:136:746
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Control of Water Pollution During Dam Construction, Charles A. McCullough and Robert R. Nicklen, SA1:Feb 71:81:7927
Cowlitz Salmon Hatchery, Quentin A. Edson and Ray J. Banys, PO1:Jan 71:61:7801
Dam Has Slipformed Upstream Face, Precast Downstream Face, V. M. Wallingford, CE:Nov 70: 49
TR:136:1022
Dams and Ecology: Can They be Made Compatible?, Darrell J. Turner, CE:Sept 71:76
Design, Construction and Performance of Sesquile Dam, Tomas Shuk, Ricardo Cajiao and Jesus M. Sierra, SM1:Jan 70:177:6996
TR:136:379
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Design of Combined Service and Auxiliary Spillway at Auld Valley Reservoir, George F. Horowitz and Daumantas Namikas, HY10:Oct 70:1965:7615
TR:136:1126
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Load Transfer in Earth and Rockfill Dams, L. Radley Squier, SM1:Jan 70:213:7004
TR:136:414
Model Law to Improve Dam Safety, Alfred R. Golze, CE:Mar 71:53
Dsc: Asit V. Biswas, CE:June 71:40
Model Study of Laterally Loaded Piles, Melvin T. Davisson and James R. Salley, SM5:Sept 70:1605: 7511
Mossyrock Project River-Diversion and Care of Fish, Earl J. Beck, PO1:Jan 71:1:7800
Multilevel Outlet Works at Four Existing Reservoirs, Gary H. Austin, Donald A. Gray and Donald G. Swain, HY6:Nov 69:1793:6877
TR:136:246
Numerical Analysis of Free Surface Seepage Problems, Peter W. France, Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165: 7959
Pile Tests-Arkansas River Project, Charles I. Mansur and Alfred H. Hunter, SM5:Sept 70:1545:7509
Presplitting and Rockbolts Cut Costs at Stockton Dam, Charles R. Golder, CE:Jan 70:44
TR:136:13
Reconnaissance for Dam Sites in Remote Areas, Vernon E. Swanson, SU1:Apr 70:97:7244
TR:136:1119
Reevaluation and Reconstruction of California Dams, Clifford J. Cortright, PO1:Jan 70:55:7008
TR:136:368
Register of Selective Withdrawal Works in United States, Task Committee on Outlet Works, Committee on Hydraulic Structures, Ronald E. Nece, Chmn., HY9:Sept 70:1841:7533
TR:136:1141
Replacement-Lock and Dam No. 26: Lock Capacity Procedure and Scope, Anson G. Eickhorst and DuWayne A. Koch, WW1:Feb 70:15:7094
TR:136:445
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TR:136:507
Reverse and Direct Reservoir Routing Method Sets Highway Grade, Constantine Voutyras, CE:Oct 69: 56
TR:136:11
Safety Inspection Of Hydro Projects-FPC Order 315, Arthur Martin, Jr., PO2:Mar 71:449:7958
Seepage Through Triangular Dam Without Tailwater, Michael A. Collins, TN: SM9:Sept 71:1355:8391
Spillway Gate Vibrations on Arkansas River Dams, Tasso Schmidgall, Preprint No.1331, Jan 71
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588
Wells Dam: Powerplant and Spillway Combined, James G. Patrick, Harris H. Burke, Robert T. Loder and Michael W. Erho, CE:Oct 70:61
TR:136:1061
World's Highest and Largest Dams, T. W. Mermel, CE:July 70:73
TR:136:583

Dams (Arch)

Arch Dam Design: State-of-the-Art, Merlin D. Copen and Loyd R. Scrivner, PO1:Jan 70:93:7021
TR:136:746
Complete Adjustment Method for Analyzing Arch Dams, J. Laginha Serafim, J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70: 1711:7492
Design of Boundary Arch Dam, Jaroslav Pospisil and Michael D. Hayes, PO1:Jan 70:73:7012
TR:136:842
Design of Mossyrock Arch Dam, Roman P. Wengler and William Y. J. Shieh, PO1:Jan 71:25:7805
Determination of In Situ Stresses in Concrete Dams, Merlin D. Copen and George B. Wallace, PO2:Mar 71:455:7964
Earthquake Response of Arch Dams, Umesh Chandra Tahbildar and Hugh Tottenham, ST11: Nov 70:2321:7681
Investigation of Deteriorated Concrete Arch Dam, David Pirtz, Arthur G. Strassburger and Richard C. Mielenz, PO1:Jan 70:23:6997
TR:136:300
Modernization of Dams on Salt River, J. George Thon, John W. O'Hara and Clarence H. Whalin, PO1:Jan 70:157:7039
TR:136:466
Rock Mechanics Studies for Mossyrocky Arch Dam, David E. Kleiner and Richard C. Acker, PO1:Jan 71:11:7795

Dams (Concrete)

Additions To Chief Joseph Dam Power Project, A. Lee Warbington, PO2:Mar 71:493:7970
Aesthetic Factors in Planning and Design of Libby Dam, Sydney Steinborn, PO1:Jan 70:39:6999
TR:136:330
Arch Dam Design: State-of-the-Art, Merlin D. Copen and Loyd R. Scrivner, PO1:Jan 70:93:7021
TR:136:746
Bear Swamp Pumped Storage Project, Denton E. Nichols, Preprint No.1324 71
Blasting Mass-Concrete at Grand Coulee Dam, J. R. Granger, CE:Aug 71:28
Concrete Volume Change for Dworshak Dam, Donald L. Houghton, PO2:Oct 69:153:6825
TR:136:695
Dam Has Slipformed Upstream Face, Precast Downstream Face, V. M. Wallingford, CE:Nov 70: 49
TR:136:1022
Determination of In Situ Stresses in Concrete Dams, Merlin D. Copen and George B. Wallace, PO2:Mar 71:455:7964
Dworshak Dam Underground Crushing Chamber, Charles O. Faris, Preprint No.1313, Jan 71
Earthquake Response of Concrete Gravity Dams, Anil K. Chopra, EM4:Aug 70:443:7485
TR:136:1176
Guri Hydroelectric Project Designed for Staged Development, Hans Hasen and P. H. Palacios H., CE:Dec 71:55
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71
World's Highest and Largest Dams, T. W. Mermel, CE:July 70:73
TR:136:583
The 1970's: Civil Engineering Forecast-Part I, Kneeland A. Godfrey, Jr., CE:Apr 70:68
TR:136:278

Dams (Earth)

Analysis of Sheffield Dam Failure, H. Bolton Seed, Kenneth L. Lee and Izzat M. Idriss, SM6:Nov 69: 1453:6906
TR:136:271
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Design, Construction and Performance of Sesquile Dam, Tomas Shuk, Ricardo Cajiao and Jesus M. Sierra, SM1:Jan 70:177:6996
TR:136:379
Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967
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Effectiveness of Cut-offs under Three Earth Dams, Milton Vargas, 4PCSM:pp.257-273, 1971
Engineering Properties of Mine Tailings, Howard C. Pettibone and C. Dan Kealy, SM9:Sept 71:1207:8382
In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:881:7273
TR:136:1300
Oroville Intake Vibration Problems Resolved, Ernest C. James and Fredric T. Katakura, Preprint No.1323, Jan 71
Portage Mountain Intake Structure and Facilities, H. Edward Howe, PO3:June 70:331:7342
TR:136:1048
Responses of Earth Dams to Traveling Seismic Waves, Mostafa Dibaj and Joseph Penzien, SM2:Mar 69:541:6453
TR:136:691
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World's Highest and Largest Dams, T. W. Mermel, CE:July 70:73
TR:136:583

Dams (Gravity)
Aesthetic Factors in Planning and Design of Libby Dam, Sydney Steinborn, PO1:Jan 70:39:6999
TR:136:330
Bear Swamp Pumped Storage Project, Denton E. Nichols, Preprint No.1324 71
Concrete Volume Change for Dworshak Dam, Donald L. Houghton, PO2:Oct 69:153:6825
TR:136:695
Dam Has Slipformed Upstream Face, Precast Downstream Face, V. M. Wallingford, CE:Nov 70:49
TR:136:1022
Dworshak Dam Underground Crushing Chamber, Charles O. Faris, Preprint No.1313, Jan 71
Earthquake Response of Concrete Gravity Dams, Anil K. Chopra, EM4:Aug 70:443:7485
TR:136:1176
Guri Hydroelectric Project Designed for Staged Development, Hans Hasen and P. H. Palacios H., CE:Dec 71:55
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71
Underground Chamber Crushes Rock for Dworshak Dam, Charles O. Faris, CE:June 71:75

Dams (Movable)
Mechanical Structures for Farm Irrigation, Allan S. Humpherys, IR4:Dec 69:463:6944
TR:136:102

Dams (Rockfill)
Aswan High Dam: Rockfill Built Under Water, Taher Abu-Wafa and Aziz H. Labib, CE:Aug 71:64
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Field Solutions for Turbulent Seepage Flow, Alan K. Parkin, SM1:Jan 71:209:7794
Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
Load Transfer in Earth and Rockfill Dams, L. Radley Squier, SM1:Jan 70:213:7004
TR:136:414
Tests on Cohesionless Materials for Rockfill Dams, Emanuele Fumagalli, SM1:Jan 69:313:6353
TR:136:26
Theories of Closure of Rockfill Dams, John A. Sandover, CO2:Nov 71:313:8542
Treatment of High Embankment Dam Foundations, Fred C. Walker and R. W. Bock, Preprint No.1339, Jan 71

Damsites
Reconnaissance for Dam Sites in Remote Areas, Vernon E. Swanson, SU1:Apr 70:97:7244
TR:136:1119

Darcys Law
Variational Approach to Non-Darcy Flow, John A. McCorquodale, HY11:Nov 70:2265:7694
TR:136:1292

Data
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449

Data Collection Systems
Basic Data Network for Solid Waste Management, Robert M. Clark and John M. Sweeten, Preprint No.1548, Oct 71
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71

Data Processing
Modern Concept of Disinfection, Shih L. Chang, SA5:Oct 71:689:8441

Data Retrieval
Data Retrieval on Thermal Pollution, Fred A. Limpert, CE:Nov 70:53
TR:136:1033

Data Systems
Decision Criteria for Using Stochastic Hydrology, George K. Young, Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209
TR:136:1035
Demonstration of an Interrelated Data Base, Keith C. Crandall, Preprint No.1445, July 71
Experiences with Interactive Computing System, LeRoy T. Boyer and John C. Casson, ST1:Jan 71:289:7853
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
New Approach to Hydrologic Data Acquisition, Edward J. Langham, HY12:Dec 71:1965:8578

Decision Making
Clean Water Management: Objective Decisions or Emotional Reaction, Kerry W. Mulligan, CWFE:Mar 71:1
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Decisions
Clean Water Management: Objective Decisions or Emotional Reaction, Kerry W. Mulligan, CWFE:Mar 71:1
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Subjective Uncertainty Analysis, C. B. Brown and R. S. Leonard, Preprint No.1388, Apr 71

Decision Theory
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Decomposition
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, NSCD:pp.37-60, 1971

Decomposition Method
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TR:136:862

Deep Ocean Vehicles
Structural Aspects of Deep Submersible Structures, B. T. Woodland, Preprint No.1412, Apr 71

Deep-Water Habitats
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Defects
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934

Definitions
Glossary of Terms Pertaining to Structural Steel Engineering and Design, Ad Hoc Committee on Nomenclature, Administrative Committee on Metals of the Structural Division, Roland R. Graham, Jr., Chmn., ST8:Aug 71:2137:8322

Deflection
Alternative Approach to Light-Gage Beam Design, James Rhodes and James M. Harvey, ST8:Aug 71: 2119:8327
Analysis of Space Truss as Equivalent Plate, William R. Flower and Lewis C. Schmidt, ST12:Dec 71: 2777:8569
Axisymmetric Finite Deflection of Circular Plates, Gordon B. J. Mah, EM5:Oct 69:1125:6832
TR:136:333
Bounds on Large Dynamic Deformations of Structures, Tomasz Wierzbicki, EM3:June 70:267: 7344
TR:136:835
Computation of Cutting Length of Guys, Stanley J. Jarecki, Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587
Creep and Shrinkage in Reinforced Concrete Beams, Tuck Wah Leong and Robert F. Warner, ST3:Mar 70:509:7150
TR:136:607
Deflection Analysis for Shakedown, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1359:7403
TR:136:961
Deflection of Circular Plate with Built-in Edges, Manuel A.G. Silva and Leon M. Keer, ST8:Aug 71: 2073:8319
Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391
TR:136:965
Design and Construction of Mossyrock Penstocks, Edgar T. Moore, PO1:Jan 71:49:7799
Design Criteria for Turbine-Generator Pedestals, Asadour H. Hadjian, PO1:Jan 70:1:6991
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Effect of Weight on Large Deflections of Arches, J. Stewart Kennedy and Anand S. Aggarwal, EM3: June 71:637:8165
Elastic Buckling of Beam Flange Plates, Kuang-Han Chu and Albert J. Gouwens, TN: EM4:Aug 71: 1329:8273
Estimating Beam Size, Adrian J. Perez, CE:Dec 71: 67
Field Tests of Aluminum Orthotropic Bridge Deck, Maurice L. Sharp, ST11:Nov 69:2463:6920
TR:136:382
Finite Element Analyses of Port Allen Lock, James M. Duncan and Gerald W. Clough, SM8:Aug 71: 1053:8317
Finite Element Bending Analysis of Reissner Plates, Charles W. Pryor, Jr., Richard M. Barker and Daniel Frederick, EM6:Dec 70:967:7760
Framed Tube Structures for High-Rise Buildings, Alexander Coull and Nutan Kumar Subedi, ST8: Aug 71:2097:8301
Hollow Clay Tile Structural Research, F. B. Johnson and J. H. Matthys, Preprint No.1377, Apr 71
Inelastic Analysis of Suspension Roof Structures, Donald P. Greenberg, ST5:May 70:905:7284
Influence of the Stud on Composite Beam Behavior, Neil M. Hawkins, Preprint No.1543, Oct 71
Large Deflections of Curved Plates, Henry W. L. Lee and Conrad P. Heins, Jr., ST4:Apr 71:1143:8045
Large Deflections of Viscoelastic Rings, Michael Schoenberg, EM1:Feb 69:223:6410
TR:136:684
Model I-Shaped Beams under Alternating Deflections, Settiana G. Krishnasamy and Archibald N. Sherbourne, TN: ST3:Mar 71:1015: 7946
Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, Dong W. Lee and John E. Breen, Preprint No.1411, Apr 71
Nonlinear Bending of Bars, Imamuddin Khwaja, TN: EM1:Feb 71:137:7858
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556
TR:136:72
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Postbuckling of Column under Distributed Axial Load, Tung-Ming Wang, TN: EM4:Aug 71:1323: 8273
Post-Elastic Deflection of Plates, Roger Hooke, ST4: Apr 70:757:7206
TR:136:904
Post Lateral Buckling Behavior of Beams, Gerald Zamost and E. Russell Johnston, Jr., EM4:Aug 71: 1133:8313
Predicted Performance of a Braced Excavation, Hugh Q. Golder, James P. Gould, T. William Lambe, Gregory P. Tschebotarioff and Stanley D. Wilson, SM3:May 70:801:7292
TR:136:928
Random Walk Model of Ideal Granular Mass, Edward Hamilton Fletcher, SM10:Oct 71:1379: 8444
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729: 8544
Slurry Wall Construction for BART Civic Center Subway Station, J. George Thon and Richard C. Harlan, SM9:Sept 71:1317:8361
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593: 8143
Structural Design of Pipeline Casing Pipes, Merlin G. Spangler, PL1:Oct 68:137:6194
TR:136:1175
Study of Modular Panelized Building, Paul P. Fazio, Preprint No.1419, Apr 71
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71: 1113:8033
Two-Dimensional Cable Analysis, George R. Buchanan, ST7:July 70:1581:7436
TR:136:1021
Volume Minimization of Thin Plates Subject to Constraints, Zachary Sherman and Ping-Chun Wang, EM3:June 71:741:8192
Warping Stresses In Slabs On Reissner Foundation, Annapareddy Siva Reddy and Mysore R. Pranesh, TE3:Aug 71:511:8332
Wind Deflection of Tall Concrete Frame Buildings, John F. Wiss and Otto E. Curth, ST7:July 70:1461: 7413

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Accuracy of Field Deformation Measurements, James P. Gould, 4PCSM:pp.313-366, 1971
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Control of Deformation Rates in Soil Testing, Roy E. Olsen, Vincent J. McDonald and James N. Sterner, TN: SM1:Jan 71:283:7787
Deformations of Geometrically Imperfect Beams, Nicholas S. Trahair, ST7:July 69:1475:6682
TR:136:179

XUM

Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Elastic Behavior of Sand, Mohamed A. El-Sohby, SM6:Nov 69:1393:6916
TR:136:320
Equipment for Field Deformation Measurements, C. John Dunnicliff, 4PCSM:pp.319-332, 1971
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Griffith Fracture Criterion and Concrete, Surendra P. Shah and Fred J. McGarry, EM6:Dec 71:1663:8597
Inelastic Deformations of Geometrically Nonlinear Frames, E. A. Akkoush, Khalilollah Khozeimeh and Theodore G. Toridis, Preprint No.1405, Apr 71
Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71:773:8198
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189:8357
Observational Data on Ground Movements Related to Slope Instability, Stanley D. Wilson, SM5:Sept 70:1519:7508
TR:136:1049
The Pressure of Floating Ice-fields on Piles, Joachim Schwarz, 12CEC:pp.1523-1536, 1971
Recoverable Deformation Of Cohesionless Soils, Max D. Coon and Roger J. Evans, S&M2:Feb 71:375:7911
Remote Measurement of Radial Deformations, John H. Dudley, TN: SM6:June 71:965:8162
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TR:136:421
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TR:136:436
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XUM

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TR:136:252
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TR:136:563
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Disks (Shapes)
Radial Flow Between Porous and Solid Discs, Chyan S. Chiou and Harold L. Weissberg, TN: EM6:Dec 71:1759:8559

Dispersing
Causes of Clay Sensitivity, James K. Mitchell and William N. Houston, SM3:May 69:845:6568
TR:136:130

Dispersion
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540
Dispersion Prediction from Current Meters, Mervin D. Palmer and J. Bryan Izatt, HY8:Aug 70:1667: 7464
TR:136:1114
Heated Discharge from Flume into Tank, Heinz Stefan and Frank R. Schiebe, SA6:Dec 70:1415: 7762
Lateral Spreading of Heated Discharge, John C. Sonnichsen, PO3:July 71:623:8245
Longitudinal Dispersion of Bed-Material Particles, Chih Ted Yang and William W. Sayre, HY7:July 71:907:8228
Maximum Entropy Mixing in Estuaries, Dominic M. Di Toro, TE4:July 69:1247:6885
TR:136:981
Predicting Concentration Profiles in Open Channels, Harvey E. Jobson and William W. Sayre, HY10: Oct 70:1983:7618
Stochastic Model For Sand Dispersion, Chih Ted Yang and William W. Sayre, HY2:Feb 71:265:7892
Surface Disturbance from Submerged Jet, Norbert L. Ackermann, Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236
Transport Equation Stability and Estuary Modeling, Fred G. Haag and Keith W. Bedford, HY12:Dec 71:2051:8610

Turbulent Diffusion and Schmidt Number of Particles, Michael K. Householder and Victor W. Goldschmidt, EM6:Dec 69:1345:6961
TR:136:403
Vertical Transfer in Open Channel Flow, Harvey E. Jobson and William W. Sayre, HY3:Mar 70:703:7148
TR:136:662

Dispersions
Dispersion in Homogeneous Estuary Flow, Edward R. Holley, Donald R.F. Harleman and Hugo B. Fischer, HY8:Aug 70:1691:7488
TR:136:1200
Integrating-Float Measurements in Turbulent Flows, Henry Liu and Charles D. Morris, HY2:Feb 70:565:7101
TR:136:590
Predicting Effects of Dead Zones on Stream Mixing, Edward L. Thackston and Karl B. Schnelle, SA2:Apr 70:319:7218
TR:136:1322
Sediment Dispersion in Flow with Moving Boundaries, Cheng-lung Chen, HY8:Aug 71:1181:8287

Displacement
Analysis and Behaviour of a Concrete Cutoff Wall (In Spanish), Jesus Alberro, 4PCSM:pp.275-291, 1971
Analysis of Circular Footings on Layered Soils, Chandrakant S. Desai and Lymon C. Reese, SM4:July 70:1289:7408
Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71
Dynamic Response of Coupled Shear Wall Buildings, A. W. Irwin and Arthur C. Heidebrecht, Preprint No.1378, Apr 71
Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71:773:8198
Method for Predicting Initial Settlement, David J. D'Appolonia and T. William Lambe, SM2:Mar 70:523:7167
TR:136:808
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Yielding in Framed Structures Under Dynamic Loads, Navin C. Nigam, EM5:Oct 70:687:7613
TR:136:1125

Displacements
Seasonal Deformation of 2-Mile Straight Line, Joseph J. Spranza and Amos M. Nur, SM12:Dec 71:1623:8586

Disposal Wells
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405

Dissipation
Work-Energy Equation for the Streamline, Hunter Rouse, HY5:May 70:1179:7300
TR:136:1228

Dissolved Gases
Monitors Solve Fish-kill Mystery, Bruce R. Barrett, CE:Jan 71:40

Dissolved Oxygen
Aeration System for Large Navigable Rivers, William Whipple, Jr. and Shaw L. Yu, SA6:Dec 71:883:8601
Dissolved Oxygen Variations in Stratified Lakes, David A. Bella, SA5:Oct 70:1129:7628
TR:136:1237
Downflow Bubble Contact Aeration, Richard E. Speece, Marcos Madrid and Kenneth Needham, SA4:Aug 71:433:8278
Graphic Dissolved Oxygen Computation, Neal P. Dixon, CE:Mar 71:60
Dsc: Santosh R. Goswami, CE:Sept 71:67; Eugene T. Taggart, CE:June 71:40
Photosynthesis and Oxygen Balance in Streams, Donald J. O'Connor and Dominic M. Di Toro, SA2:Apr 70:547:7240
TR:136:1201
Reaeration Measurements in an Estuarn, David W. Juliano, SA6:Dec 69:1165:6987
TR:136:391
Statistical Assessment of DO in Navigation Pool, Thomas A. Butts, Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
TR:136:881
Stochastic Model for BOD and DO in Estuaries, Stephen W. Custer and Richard G. Krutchkoff, SA5:Oct 69:865:6834
TR:136:784

Distance Measuring Equipment
Advancing Technology in Electronic Surveying, Charles G. Romaniello, SU2:Sept 70:287:7566
TR:136:1008
Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY12:Dec 70:2417:7781
DI-10 Distomat System, E. Kenneth Reynolds, SU2:Sept 70:137:7518
TR:136:829
Map Control by Electronic Surveys, William A. McLaughlin, SU1:Apr 70:81:7226
TR:136:1146
New Distance Measuring Instruments, Raymond W. Tomlinson, SU2:Sept 70:149:7521
TR:136:868
New Zeiss Electro-Optical Instrumentation, Dieter F. Schellens, SU2:Sept 70:173:7526
TR:136:905
Short-range EDM: Big Boost for Surveyors, Eugene E. Dallaire, CE:Feb 71:69
Tachemetry in Survey Engineering, Joe E. Colcord, SU1:May 71:39:8141
Tellurometer Ground Swing Over Ice Surface, Thomas A. Asbeck and James L. Clapp, SU1:May 71:53:8149

Distribution Systems
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588

Docks
Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
Density Currents and Turbulent Diffusion in Locks, A. Roy Haliiwell and Martin O'Dell, 12CEC:pp.1959-1977, 1971

Document Storage
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132

Dolphins (Structures)
Rational Design Concept for Breasting Dolphins, Lymon C. Reese, Michael W. O'Neill and N. Radhakrishnan, WW2:May 70:433:7291
TR:136:1009

Domes (Structural)
Stability of Shells by Parametric Differentiation, S. K. Radhamohan, Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216

Domes (Structural Forms)
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Reticulated Space Structures, James O. Crooker and Kenneth P. Buchert, ST3:Mar 70:687:7180
TR:136:854

Doppler Effect
Limitations on the Measurement of Turbulence Using a Laser Doppler Velocimeter, W. K. George and J. L. Lumley, Preprint No.1345, Jan 71

XUM

Dowels
Analysis of Dowel Action, David W. Johnston and Paul Zia, ST5:May 71:1611:8147

Drafting (Drawing)
Computer Aids Draftsmen in Soil Profiles and Analysis, George Kisak and B. James Greenfield, CE:Feb 71:67

Drag
Drag Coefficients in Nonsteady Turbulent Flow, Alex J. Sutherland and David J. Painter, HY7:July 71: 1031:8233
Drag or Along-Wind Response of Slender Structures, J. J. Vickery and Kvan H. Kao, Preprint No.1384, Apr 71
Drag Reduction in Hydraulic Transport of Solid, Michael Poreh, Jacques L. Zakin, Aviel Brosh and Moshe Warshavsky, HY4:Apr 70:903:7208
TR:136:698
Experimental Investigation of Form of Bed-Roughness, Sat Dev Khanna, HY10:Oct 70:2029: 7623
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Free Surface, Velocity Gradient Flow Past Hemisphere, Gordon H. Flammer, J. Paul Tullis and Earl S. Mason, HY7:July 70:1485:7418
Mechanical Excitation of Model Undersea Structure, C. P. Rains and Subrata K. Chakrabarti, Preprint No.1361, Apr 71
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Drainage
Analysis of Infiltration into Draining Porous Media, Frank D. Whisler and Keith K. Watson, IR4:Dec 69:481:6946
TR:136:215
Arizona Weather Modification Research Program, Paul B. MacCready, Jr., IR2:June 70:103:7324
TR:136:747
Assessing Social Consequences of Water Deficiencies, William K. Johnson, IR4:Dec 71:547:8566
Atlanta's Instant Runway, Robert W. Richards, TE3: Aug 71:491:8306
Biological Control of Aquatic Weeds, Robert D. Blackburn, David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Closed Conduit to Open Channel Stilling Basin, Gordon H. Flammer, Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
Computer Analysis of Free Surface Well Flow, Willem F. Brutsaert, E. Allen Breitenbach and Daniel K. Sunada, IR3:Sept 71:405:8376
Control of Sediment Flow Into Subsurface Drains, Om P. Gulati, Glenn O. Schwab and Ronald C. Reeve, IR4:Dec 70:437:7751
Depth to Ground-Water Table by Remote Sensing, M. Abdel-Hady and Harlan H. Karbs, IR3:Sept 71: 355:8360
Displacement Front Under Ponded Leaching, James N. Luthin, Pedro Fernandez Fernandez, B. Maslov, J. Woerner and F. Robinson, IR1:Mar 69:117:6446
TR:136:4
Drainage Density in Drift-Covered Basins, John F. Orsborn, HY1:Jan 70:183:7033
TR:136:436
Drainage of Soil Profiles, Royal H. Brooks, Corey Benedict, Gilbert L. Corey and Arthur T. Cores, IR3:Sept 71:455:8389
Effect of Openings on Design of Subsurface Drains, Glenn O. Schwab, Darrell W. DeBoer and Howard P. Johnson, IR1:Mar 69:199:6480
TR:136:41
Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551: 6984
TR:136:348
Estimating Soil Permeability Rates, Merlin E. Horn, IR2:June 71:263:8169
Evaluating Low-Flow Characteristics, S. P. Sauer and Henry C. Riggs, Preprint No.1329, Jan 71
Evaporation Reduction with Floating Granular Materials, Lloyd E. Myers and Gary W. Frasier, IR4:Dec 70:425:7741
TR:136:1272
Exotic Uses of Aquifers, Raphael G. Kazmann, IR3: Sept 71:515:8352
Friction Factors for Corrugated Plastic Tubing, Lee F. Hermsmeier and Lyman S. Willardson, IR3:Sept 70:265:7531
Future of Ground Water in African Sahara Desert, Hammad Y. Hammad, IR4:Dec 69:563:6986
TR:136:392
Graphic Analysis of Roadway Runoff, James B. Wolfson, CE:June 71:64
Ground Water Management-A Progress Report, Jack J. Coe, IR1:Mar 71:149:7971
Hydrologic Data for Storm Drainage Design, William J. Schneider, Preprint No.1328, Jan 71
Mathematical Model of Leaky Aquifer, Robert Bibby and Daniel K. Sunada, IR3:Sept 71:387:8350
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9: Sept 71:1367:8373
The Metropolis Runs Dry, Richard A. Hogarty, IR4: Dec 71:559:8563
Movement of Salts in Ponded Anisotropic Soils, Jaime Ortiz and James N. Luthin, IR3:Sept 70:257: 7530
TR:136:1186
Need for Envelope Material Above Draintile, Robert W. Saulmon, TN: IR4:Dec 71:661:8560
Numerical Analysis of Free Surface Seepage Problems, Peter W. France, Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165: 7959
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71: 601:8613
Peat and Muck Drainage Problems, John C. Stephens, IR2:June 69:285:6603
TR:136:1098
Pennsylvania Erases Its Mining Scars, Alfred C. Ackenheil, CE:Oct 70:54
TR:136:934
Phreatic Surface Location after Drawdown, Arthur H. Dvinoff and Milton E. Harr, SM1:Jan 71:47: 7806
Physics of Desaturation in Porous Materials, Nikolas F. White, Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878
Planning Standards for Storm Drainage, Myron D. Calkins, UP1:Mar 70:53:7133
TR:136:869
Probability Distribution of Annual Droughts, Eratakulan S. Joseph, IR4:Dec 70:461:7727
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, Preprint No.1298, Jan 71
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, IR3:Sept 71:469:8351
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721
Reverse and Direct Reservoir Routing Method Sets Highway Grade, Constantine Voutyras, CE:Oct 69: 56
TR:136:11
Runoff Grouping for Detection of Change in Runoff, Hiroshi Nakamichi and Hubert J. Morel-Seytoux, IR2:June 71:275:8201
Safe Yield of Aquifers: An Economic Reformulation, Robert A. Young, IR4:Dec 70:377:7719

Sediment Distribution and Its Relations to Circulation Patterns in Bolinas Bay, California, P. Wilde and T. Yancey, 12CEC:pp.1397-1415, 1971
Seepage Effect on Channel Bank Stability, Philip H. Burgi and Susumu Karaki, IR1:Mar 71:59:7968
Seepage Towards Highway Cuts, Abdel-Aziz I. Kashef, TE4:Nov 69:667:6912
TR:136:292
Simulation of Water Yield from Devegetated Basins, George Fleming, IR2:June 71:249:8175
Status of Pilot Watershed Studies in Arizona, Harry E. Brown, IR1:Mar 70:11:7129
TR:136:452
Steady Drainage of Layered Soils: II, Nomographs, Sadik Toksoz and Don Kirkham, IR1:Mar 71:19:7986
Steady Drainage of Layered Soils: I, Theory, Sadik Toksoz and Don Kirkham, IR1:Mar 71:1:7985
Storm Drainage Practices of Thirty-two Cities, Colby V. Ardis, Kenneth J. Dueker and Arno T. Lenz, HY1:Jan 69:383:6365
TR:136:783
The Structure of Thunderstorm Rainfall, John B. Stall and Floyd A. Huff, Preprint No.1330, Jan 71
Tools for Water-Resource Study, Julius H. Dawes, IR4:Dec 70:403:7720
TR:136:1265
Transient Functions for Land Drainage, S. Abdollah Jenab, A. Alvin Bishop and Dean F. Peterson, Jr., IR3:Sept 69:361:6768
TR:136:142
Unsteady Seepage Toward Narrow Ditch, Bruce W. Hunt, HY10:Oct 70:1953:7586
TR:136:1152
Urbanization's Drainage Consequence, Paul O. Reimer and Joseph B. Franzini, UP2:Dec 71:217:8600
Urban Runoff by Road Research Laboratory Method, Michael L. Terstriep and John B. Stall, HY6:Nov 69:1809:6878
TR:136:274
Volume of Snowmelt Intercepted by Logging Roads, Edward R. Burroughs, Jr., Michael A. Marsden and Harold F. Haupt, Preprint No.1326, Jan 71
Water Accounting at Pumping Station S-5A in Florida, Claiborne F. Galliher, IR4:Dec 69:517:6970
TR:136:282
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Drainage Wells
Seepage Control in the Rio Jaguari Dam and Dike, Lincoln de A. Queiroz, Hamilton G. de Oliveira, Ruy Taiji Mori and Francisco Nazario, 4PCSM:pp.293-305, 1971

Drained Shear Tests
Comparison of Stress-Dilatancy Theories, George J. W. King and Edward A. Dickin, SM5:Sept 70:1697:7516

Drains
Control of Sediment Flow Into Subsurface Drains, Om P. Gulati, Glenn O. Schwab and Ronald C. Reeve, IR4:Dec 70:437:7751
Effect of Openings on Design of Subsurface Drains, Glenn O. Schwab, Darrell W. DeBoer and Howard P. Johnson, IR1:Mar 69:199:6480
TR:136:41
Interceptor Drains in Heavy Clay Soils, Malcolm L. Steinberg, TE1:Feb 70:1:7066
TR:136:683
Need for Envelope Material Above Draintile, Robert W. Saulmon, TN: IR4:Dec 71:661:8560
Session III: Densification after Placement (Drains), Steve J. Poulos, PISST:pp.43-52, 1971

Drawdown
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, SU2:Nov 71:287:8538
Dsc, Reservoir Storage Evacuation Time by Integration, Edgar T. Moore, CE:Apr 71:42

Drawings
Automatic Drafting System Aids Wisconsin Bridge Design, Leon J. Schuchardt, CE:Feb 70:38
TR:136:164
Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576

Dredging
Dredging Methods For Deep-Ocean Mineral Recovery, John B. Herbich, WW2:May 71:385:8120
Hydrographic Survey Techniques on Mississippi, Otis T. Welch, SU1:May 71:109:8123
Model Study of Transformation of Tsunamis in Urado Bay, Shigehisa Nakamura, Yuichi Iwagaki and Yoshito Tsuchiya, 12CEC:pp.2089-2102, 1971
Port Construction At Burns Waterway Harbor, John H. McGavock, Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990
Sand Fill Pumped 15 Miles for Interstate Construction, John W. Sill, CE:Feb 71:44
Selection of Disposal Areas for Spoil From Baltimore Harbor, John F. Hoffman, 12CEC:pp.2267-2279, 1971

Drill Holes
Guide for Depth of Foundation Exploration, Ronald E. Smith, SM2:Mar 70:377:7120
TR:136:778

Drilling
Flathead Railroad Tunnel Construction, Hans Sacrison, CO1:Mar 71:127:8009
Laboratory Study of Lift Forces on Circular Piles, Devidas D. Bidde, WW4:Nov 71:595:8495

Drilling Fluids
Standard Test Boring with Drilling Mud, Charles S. Hedges, 4PCSM:pp.63-75, 1971

Drop Inlets
Crest Losses for Two-Way Drop Inlet, George G. Hebaus, HY3:May 69:919:6570
TR:136:115

Drops (Structures)
Flood-Control Facilities for Unique Flood Problems, Ralph F. Wong and Alfonso Robles, Jr., WW1:Feb 71:185:7894

Droughts
Assessing Social Consequences of Water Deficiencies, William K. Johnson, IR4:Dec 71:547:8566
The Metropolis Runs Dry, Richard A. Hogarty, IR4:Dec 71:559:8563
Probability Distribution of Annual Droughts, Eratakulan S. Joseph, IR4:Dec 70:461:7727

Dry Bulb Temperature
Analysis of Water Temperature Variations in Large River, Veerasamy Kothandaraman, SA1:Feb 71:19:7908

Drydocks
Floating Dry Docks for Ship Launching, Kenneth R. Broome and William S. Gaither, WW1:Feb 70:121:7110
TR:136:831
Lift Dock Combines Drydock and Transfer Platform, Amirikian Arsham, CE:July 71:37

Drying
Drying of Sand-Digested Sludge Mixtures, Martin E. Harper and Brian W. Mar, SA2:Apr 70:381:7222
TR:136:595

Ductility
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Effects of Reinforcements on Ductility of Concrete, Surendra P. Shah and B. Vijaya Rangan, ST6:June 70:1167:7366
TR:136:1262

XUM

Dunes
Field Study of a Tidal Inlet, Bimini, Bahamas, W. Harrison, R. J. Byrne, J. D. Boon, III and R. W. Moncure, 12CEC:pp.1201-1222, 1971
Formation of Dunes and Antidunes in Open Channels, Taizo Hayashi, HY2:Feb 70:357:7056 TR:136:648
Height of Sand Dunes in Open Channel Flows, Mohammad Akram Gill, HY12:Dec 71:2067:8612
Initiation of Ripples on Flat Sediment Beds, Philip B. Williams and Patrick H. Kemp, HY4:Apr 71:505:8042

Durability
Effect of Load Placement on Rigid Pavement Behavior, Harvey J. Treybig, TE4:Nov 71:681:8543

Duration Curves
Cost-Effective Matching of Task and Computing Device, Ralph E. Miller, Jr. and John McCaslin, ST1:Jan 71:329:7854

Dynamic Loads
Aeroelastic Stability of Unstiffened Suspension Bridges, Daniel Dicker, EM6:Dec 71:1677:8615
Determination of Dynamic Forces Using Response Observations, W. D. Pilkey, Preprint No.1403, Apr 71
Dynamic Response of Coupled Shear Wall Buildings, A. W. Irwin and Arthur C. Heidebrecht, Preprint No.1378, Apr 71
Dynamic Response of the Huyck Stream Bridge, William L. Armstrong, Preprint No.1569, Oct 71
Elastic Free-Field Motion Due to Nuclear Blast, Leif E. Fugelso, Robert K. Waddick and Glen L. Heidhardt, EM6:Dec 68:1337:6266 TR:136:666
Horizontally Curved Bridges Subject to Moving Load, Paul P. Christiano and Charles G. Culver, ST8:Aug 69:1615:6713 TR:136:94
Inelastic Deformations of Geometrically Nonlinear Frames, E. A. Akkoush, Khalilollah Khozeimeh and Theodore G. Toridis, Preprint No.1405, Apr 71
Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205
Interaction of Aircraft and Ground Structure, Nai C. Yang, ST6:June 70:1119:7360 TR:136:938
Road Responses to Vibration Tests, Michael E. Szendrei and Charles R. Freeme, SM6:Nov 70:2099:7709 TR:136:1289
Session V: Dynamic Loadings (Earthquakes, Machinery), John R. Hall, Jr., PISST:pp.135-140, 1971
Stability of Columns With Transient Loads, Siegfried M. Holzer, EM6:Dec 70:913:7730 TR:136:1306

Dynamic Pressure
Cylindrical Shell Under Sudden PressurizatioS, Edward G. Lovell, EM6:Dec 70:1229:7776 TR:136:1331

Dynamic Programming
Dynamic Programming of Highway Safety Projects, Marvin M. Johnson, TE4:Nov 71:667:8534
Model for Planning a Transportation System, Frank A. Tillman, TE2:May 70:229:7289 TR:136:886
Optimal Construction Staging by Dynamic Programming, Monroe L. Funk and Frank A. Tillman, HW2:Nov 68:255:6215 TR:136:787
Optimal Highway Staging by Dynamic Programming, Richard de Neufville and Yasuo Mori, TE1:Feb 70:11:7080 TR:136:1223
Optimization Techniques in Structural Design, George G. Goble, Preprint No.1397, Apr 71
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424
Symposium on Traffic Assignment Methodology, Mo C. Li, Preprint No.1460, July 71

Dynamic Properties
Train Dynamics by Complex Mode Synthesis, T. K. Hasselman and A. Kaplan, Preprint No.1487, July 71

Dynamic Response
Dynamic Analysis of Inelastic Space Frames, Robert K. Wen and Fereydoon Farhoomand, EM5:Oct 70:667:7621 TR:136:1113
Dynamic Buckling of Shallow Arches, Robert E. Fulton and Furman W. Barton, EM3:June 71:865:8214
Dynamic Response of Circular Footings, Juan E. Luco and Russell A. Westmann, EM5:Oct 71:1381:8416
Dynamic Response of Imbedded Cylindrical Shell, Raymond Parnes, EM2:Apr 71:421:8073
Dynamic Response of the Huyck Stream Bridge, William L. Armstrong, Preprint No.1569, Oct 71
Dynamic Strip Load On Elastic-Plastic Soil, Kaare Hoeg and H. A. Balakrishna Rao, SM2:Mar 70:429:7138 TR:136:560
Earthquake Response of a Ramberg-Osgood Structure, Movses J. Kaldjian and William R.S. Fan, ST10:Oct 68:2451:6196 TR:136:656
Earthquake Response of Arch Dams, Umesh Chandra Tahbildar and Hugh Tottenham, ST11:Nov 70:2321:7681
Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205
Interaction of Aircraft and Ground Structure, Nai C. Yang, ST6:June 70:1119:7360 TR:136:938
Maximum Structural Response to Seismic Excitations, Masanobu Shinozuka, EM5:Oct 70:729:7620
Response Computation Using Truncated Taylor Serier, Joseph E. Grant, EM2:Apr 71:295:8019

Dynamics
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70:593:7591 TR:136:1140
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, E. Harry Law and Ronald S. Brand, Preprint No.1427, July 71
Analytical Model for Prediction of Ice-Structure Interaction, Hudson Matlock, William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Building Dynamics Due to Stochastic Wind Forces, Gary C. Hart, ST3:Mar 70:535:7154 TR:136:848
Dynamic LoadingP, Elio E. D'Appolonia, PISST:pp.141-164, 1971
Dynamic Loadings, Elio E. D'Appolonia, SM1:Jan 70:49:7010 TR:136:429
Dynamic Response of Initially-Stressed Membrane Shells, John W. Leonard, EM5:Oct 69:1231:6859 TR:136:822
Dynamics of Guyed Towers, R. J. McCaffry and Alois J. Hartmann, Preprint No.1379, Apr 71
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Dynamics of Ship Anchor-Lines in Waves and Currents, Basil W. Wilson and Donald H. Garbaccio, WW4:Nov 64:449:6888 TR:136:275
Dynamic Structure-Soil Wave Model for Deep Water, Billy L. Edge and Paul G. Mayer, WW1:Feb 71:167:7889

Eigenvalue Analysis of Structures by Folding Force, Itio Hirai and Torazo Yoshimura, EM6:Dec 70: 1081:7728
TR:136:1301
Finite-Difference Methods for Plate Vibration Problems, Harold J. Salane and Hudson Matlock, ST3:Mar 69:441:6477
TR:136:55
Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69: 859:6719
TR:136:192
Finite Elements and Dynamic Viscoelasticity, David W. Malone and Jerome J. Connor, EM4:Aug 71: 1145:8293
Forced Motion of Cylindrical Shells, Herbert Reisman and John Medige, EM5:Oct 68:1167:6183
TR:136:17
Free Vibration of Hyperbolic Cooling Towers, Mahmoud G. Hashish and Salman H. Abu-Sitta, EM2:Apr 71:253:8037
Free Vibrations of Hyperboloidal Shells of Revolution, Robert L. Carter, Arthur R. Robinson and William C. Schnobrich, EM5:Oct 69:1033:6808
TR:136:260
Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Long-term Pressures Effects on Shear Modulus of Soils, Sherif S. Afifi, SM10:Oct 71:1445:8475
Model for Nonlinear Dynamics of Offshore Towers, Edward Terence Foster, Jr., EM1:Feb 70:41:7093
TR:136:513
Model-free Design of Aseismic Structures, Rudolf F. Drenick, EM4:Aug 70:483:7496
TR:136:1046
Monte Carlo Study of Seismic Structural Safety, Paul H. Wirsching and James T. P. Yao, ST5:May 71: 1497:8118
Nonlinear Parameters of Vibrating Foundations, O.M. Christof Ehrler, SM6:Nov 68:1199:6208
TR:136:640
Response of Buried Cylinders Encased in Foam, Carl J. Costantino and Eban Vey, SM5:Sept 69:1159: 6769
TR:136:1104
Response of Cooling Tower to Turbulent Wind, Noel J. Gardner, ST10:Oct 69:2057:6812
TR:136:273
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Screening of Surface Waves in Soils, Richard D. Woods, PISST:pp.407-435, 1971
Seismic Analysis of Nuclear Power Plant Structures, Richard N. Bergstrom, Shih-Lung Chu and Robert J. Small, PO2:Mar 71:367:7977
Series Solution to Problems in Elastodynamics, Wilfred W. Recker, EM4:Aug 71:1257:8328
Sliding-Rocking Vibration Of Body On Elastic Medium, Robert T. Ratay, SM1:Jan 71:177:7849
Soil Indentation by Translating Flanged Plate, Jack L. Dais, EM4:Aug 71:1057:8285
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Structure-ground Interaction in Earthquakes, Johann H. Rainer, EM5:Oct 71:1431:8422
Studies Of Seismic Response Of Clay Banks, William D. Kovacs, H. Bolton Seed and Izzat M. Idriss, SM2:Feb 71:441:7878
Vibration Analysis of Thin Cylindrical Containers, Anand S. Arya, Shashi K. Thakkar and Atul C. Goyal, EM2:Apr 71:317:8010
Wind Deflection of Tall Concrete Frame Buildings, John F. Wiss and Otto E. Curth, ST7:July 70:1461: 7413
Wind Induced Vibration in Light Poles, Hayes E. Ross, Jr. and Thomas C. Edwards, ST6:June 70: 1221:7383
TR:136:986

Dynamic Stability

Dynamic Buckling of Cylindrical Shell, Charles C. Cromer and Robert E. Ball, EM3:June 71:657:8187
Dynamic Buckling of Shallow Arches, Robert E. Fulton and Furman W. Barton, EM3:June 71:865: 8214
Dynamic Stability of Circular Cylindrical Sandwich Panels, Conor D. Johnson and Nelson R. Bauld, Jr., EM6:Dec 71:1643:8598
Dynamic Stability of Plates by Finite Elements, Johnny M. Hutt and Ahmed E. Salam, EM3:June 71:879:8211
Dynamic Stability of Tube Conveying Fluid, Shoei-sheng Chen, EM5:Oct 71:1469:8420
Random Behavior of Columns, Paul H. Wirsching and James T. P. Yao, EM3:June 71:605:8183

Dynamic Structural Analysis

Design Using Symbolic Topological Equations, Dennis R. Lagerquist and Steven J. Fenves, EM3: June 69:695:6624
TR:136:96
Dynamic Analysis of Inelastic Space Frames, Robert K. Wen and Fereydoon Farhoomand, EM5:Oct 70: 667:7621
TR:136:1113
Dynamic Analysis of Nonlinear Space Frames, Fereydoon Farhoomand, J. K. Iverson and Robert K. Wen, Preprint No.1371, Apr 71
Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71
Dynamics of Guyed Towers, R. J. McCaffry and Alois J. Hartmann, Preprint No.1379, Apr 71
Force Method in Structural Dynamics, Ziad M. Elias, Preprint No.1374, Apr 71
Free Vibration Characteristics of Shell Roofs, Anand S. Arya and Shashi K. Thakkar, EM1:Feb 71:109: 7929
Impactive Dynamic Analysis, Manuel A. Suarez, Preprint No.1406, Apr 71
Matrix Method for Linear Response of Structures, Gordon B.J. Mah, EM5:Oct 69:1101:6831
TR:136:325
Stability of Columns With Transient Loads, Siegfried M. Holzer, EM6:Dec 70:913:7730
TR:136:1306
Structural Dampers, P. Mahmoodi, ST8:Aug 69:1661: 6725
TR:136:98

Dynamic Tests

Dynamic Cone and Standard Penetration Test in Silty Sands (In Spanish), Ricardo Dobry, 4PCSM: pp.1-13, 1971
Maximum Dynamic Response and Proof Testing, Jann-Nan Yang and Ewald Heer, TN: EM4:Aug 71:1307:8273
Vibrator for Soil Testing, Gerd F. Weissmann, TN: SM3:Mar 71:601:7962

Dynamometers

Structural Reaction Dynamometers, M. Daniel Vanderbilt, ST6:June 71:1701:8188

Dysentery

Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, SA6:Dec 71:801:8567

Earth Dams

Seepage Towards Highway Cuts, Abdel-Aziz I. Kashef, TE4:Nov 69:667:6912
TR:136:292

Earthfill

Reinforced Earth Steel Retaining Walls Used on High Steep Side Slopes in France, Henri Vidal, CE: Feb 70:72
TR:136:198
Sand Densification by Heavy Vibratory Compactor, Douglas C. Moorhouse and Gerald L. Baker, SM4: July 69:985:6656
TR:136:1082
Sand Densification by Heavy Vibratory Compactor, Douglas C. Moorhouse and Gerald L. Baker, PISST:pp.379-388, 1971

XUM

Earth Fills

In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:881:7273
TR:136:1300

Utilization of Marginal Lands for Urban Development, Philip C. Rutledge, SM1:Jan 70:1:7000
TR:136:397

Earth Pressure

Breakout Resistance of Objects Embedded in Ocean Bottom, Aleksandar Sedmak Vesic, SM9:Sept 71:1183:8372

Finite Element Analyses of Port Allen Lock, James M. Duncan and Gerald W. Clough, SM8:Aug 71:1053:8317

Finite Element Analyses of Retaining Wall Behavior, Gerald W. Clough and James M. Duncan, SM12:Dec 71:1657:8583

Limit Analysis of Plane Problems in Soil Mechanics, John Lysmer, SM4:July 70:1311:7416
TR:136:1005

Model Study of Passive Pressure in Sand, Jagdish Narain, Swami Saran and P. Nandakumaran, SM4:July 69:969:6655
TR:136:708

Earth Pressure Coefficient

Effect of Mica on K_O Compressibility of Two Soils, Charles A. Moore, SM9:Sept 71:1275:8401

Earthquake Resistant Structures

Earthquake-proof Design Gives Rise to First Japanese Skyscrapere, Kiyoshi Muto, CE:Mar 71:49

Earthquake-Resistant Reinforced-Concrete Buildings, Paul Rogers, CE:Aug 71:32
Dsc: Clarence J. Derrick, CE:Dec 71:71

Model-free Design of Aseismic Structures, Rudolf F. Drenick, EM4:Aug 70:483:7496
TR:136:1046

Portage Mountain Intake Structure and Facilities, H. Edward Howe, PO3:June 70:331:7342
TR:136:1048

Random Vibration in Seismic Analysis - an Evaluation, Mohammad Amin and I. Gungor, Preprint No.1409, Apr 71

Earthquakes

Analysis of Accelerograms and Structural Response, S. K. Guha, S. P. Agarwal, V. P. Agarwal, P. D. Gosavi and S. C. Marwadi, TN: EM2:Apr 71:589:8017

Analysis of Sheffield Dam Failure, H. Bolton Seed, Kenneth L. Lee and Izzat M. Idriss, SM6:Nov 69:1453:6906
TR:136:271

Base Moment for a Class of Linear Systems, Jacobo Bielak, EM5:Oct 69:1053:6810
TR:136:277

Borrego Mountain Earthquake of April 8, 1968, T. Leslie Youd and Robert O. Castle, SM4:July 70:1201:7396
TR:136:984

Bridge Foundation Behavior in Alaska Earthquake, Grant A. Ross, H. Bolton Seed and Ralph R. Migliaccio, SM4:July 69:1007:6664
TR:136:712

Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398

Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016

Damage to Structures Due to Floor Shocks, Nelson M. Isada, ST2:Feb 71:561:7897

Deformation Characteristics of Sands Under Cyclic Loading, Marshall L. Silver and H. Bolton Seed, SM8:Aug 71:1081:8334

Design of Seismic Joint for San Francisco Bay Tunnel, Walter S. Douglas and Robert Warshaw, ST4:Apr 71:1129:8040

Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71:2519:8443

Dynamic Analysis of Plane Coupled Shear Walls, Wai K. Tso and Ho-Bong Chan, EM1:Feb 71:33:7899

Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71

Dynamics of Correlated Random Pulse Trains, Shih-Chi Liu, EM4:Aug 70:455:7490
TR:136:979

Dynamics of Earth Dams with Foundation Interaction, Anil K. Chopra and P. R. Perumalswami, EM2:Apr 71:181:8049

Earthquake Design Criteria for Subways, Thomas R. Kuesel, ST6:June 69:1213:6616
TR:136:718

Earthquake Design Formula Considering Local Soil Conditions, Semih S. Tezcan, ST9:Sept 71:2383:8399

Earthquake Design of Cooling Towers, Salman H. Abu-Sitta and Alan G. Davenport, ST9:Sept 70:1889:7524

Earthquake Forces on Equipment in Nuclear Power Plants, Asadour H. Hadjian, PO3:July 71:649:8240

Earthquake Interaction by Fast Fourier Transform, Shih-Chi Liu and Lawrence W. Fagel, EM4:Aug 71:1223:8324

Earthquake Research Needs For Nuclear Power Plants, George W. Housner, PO1:Jan 71:77:7818

Earthquake Response of a Ramberg-Osgood Structure, Movses J. Kaldjian and William R.S. Fan, ST10:Oct 68:2451:6196
TR:136:656

Earthquake Response of Arch Dams, Umesh Chandra Tahbildar and Hugh Tottenham, ST11:Nov 70:2321:7681

Earthquake Response of Concrete Gravity Dams, Anil K. Chopra, EM4:Aug 70:443:7485
TR:136:1176

Elasto-Plastic Seismic Response of Reinforced Concrete Frame, Warren R. Walpole and Robin Shepherd, ST10:Oct 69:2031:6813
TR:136:261

Equivalent Linearization for Random Vibration, Loren D. Lutes, EM3:June 70:227:7333
TR:136:598

Foundation Compliance Effects on Earthquake Response Spectra, Alberto Castellani, SM4:July 70:1335:7425
TR:136:1029

Influence of Soil Conditions on Building Damage Potential During Earthquakes, H. Bolton Seed and Izzat M. Idriss, ST2:Feb 71:639:7909

Maximum Structural Response to Seismic Excitations, Masanobu Shinozuka, EM5:Oct 70:729:7620

Mixing-in-Place Soil and Portland Cement, James L. Sherard, SM6:Nov 69:1357:6909
TR:136:305

Model-free Design of Aseismic Structures, Rudolf F. Drenick, EM4:Aug 70:483:7496
TR:136:1046

Monte Carlo Study of Seismic Structural Safety, Paul H. Wirsching and James T. P. Yao, ST5:May 71:1497:8118

Numerical Model for Tsunami Run-Up, Kenneth L. Heitner and George W. Housner, WW3:Aug 70:701:7491
TR:136:1071

Probabilistic Response Analyses to Earthquakes, R. Narayana Iyengar and Kashi T. Sundara Raja Iyengar, EM3:June 70:207:7321

Random Behavior of Columns, Paul H. Wirsching and James T. P. Yao, EM3:June 71:605:8183

Random Processes for Earthquake Simulation, Roy Levy, Frank Kozin and Robert B.B. Moorman, EM2:Apr 71:495:8057

Random Vibration in Seismic Analysis - an Evaluation, Mohammad Amin and I. Gungor, Preprint No.1409, Apr 71

Reliability Optimization in Isostatic Structures, Emilio Rosenblueth and Enrique Mendoza, EM6: Dec 71:1625:8584
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Response of Nonuniform Soil Deposits to Traveling Seismic Waves, Houshang Dezfulian and H. Bolton Seed, SM1:Jan 71:27:7808
Responses of Earth Dams to Traveling Seismic Waves, Mostafa Dibaj and Joseph Penzien, SM2: Mar 69:541:6453
TR:136:691
Seismic Analysis of Nuclear Power Plant Structures, Richard N. Bergstrom, Shih-Lung Chu and Robert J. Small, PO2:Mar 71:367:7977
Seismic Design of Soil-Structure Systems, Richard A. Parmelee and John H. Wronkiewicz, ST10:Oct 71: 2503:8437
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Seismic Response of Soil Deposits, Izzat M. Idriss and H. Bolton Seed, SM2:Mar 70:631:7175
TR:136:840
Seismic Response of Soil Deposits Underlain by Sloping Rock Boundaries, Houshang Dezfulian and H. Bolton Seed, SM6:Nov 70:1893:7659
TR:136:1330
Session V: Dynamic Loadings (Earthquakes, Machinery), John R. Hall, Jr., PISST:pp.135-140, 1971
Simplified Procedure for Evaluating Soil Liquefaction Potential, H. Bolton Seed and Izzat M. Idriss, SM9: Sept 71:1249:8371
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Steady-State Response of Yielding Shear Structure, Wilfred D. Iwan, EM6:Dec 70:1209:7774
Stochastic Seismic Response of Structures, Patricio Ruiz and Joseph Penzien, EM2:Apr 71:441:8050
Studies Of Seismic Response Of Clay Banks, William D. Kovacs, H. Bolton Seed and Izzat M. Idriss, SM2:Feb 71:441:7878
Test Procedures for Measuring Soil Liquefaction Characteristics, H. Bolton Seed and William H. Peacock, SM8:Aug 71:1099:8330
Two Nonlinear Beams with Definitions of Ductility, Melbourne F. Giberson, ST2:Feb 69:137:6377
TR:136:799
Vibration Analysis of Thin Cylindrical Containers, Anand S. Arya, Shashi K. Thakkar and Atul C. Goyal, EM2:Apr 71:317:8010
Volume Changes in Sands During Cyclic Loading, Marshall L. Silver and H. Bolton Seed, SM9:Sept 71:1171:8354

Earthwork
Application of Computers to Airport Planning and Design, Rufus C. Phillips, III, TE3:Aug 70:341: 7472
TR:136:1160
Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, George J. Mim Mack and Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76
Earthwork Quantities by Random Sampling, Marvin Gates and Amerigo Scarpa, CO1:July 69:65:6681
TR:136:359
Estimating Costs of Earthwork via Simulation, Jack H. Willenbrock, Preprint No.1359, Apr 71

Eccentricity
Compressive Strength of Brick Walls with Large Eccentricities, D. Watsein and M. H. Allen, Preprint No.1400, Apr 71

Eccentric Loading
Bearing Capacity of Eccentrically Loaded Footings, Shamsher Prakash and Swami Saran, SM1:Jan 71: 95:7814
Biaxially Loaded Beam-Column Analysis, Ishwar C. Syal and Satya S. Sharma, ST9:Sept 71:2245:8384
Compressive Strength of Brick Walls with Large Eccentricities, D. Watsein and M. H. Allen, Preprint No.1400, Apr 71

Echo Sounding
Effect of Long Period Waves on Hydrographic Surveys, Orville T. Magoon and William O. Sarlin, 12CEC:pp.2251-2265, 1971

Ecology
Aquatic Ecosystems and Thermal Power Plants, Loren D. Jensen and Derek K. Brady, PO1:Jan 71: 209:7802
Blueprint for the New ASCE Year, Samuel S. Baxter, CE:Jan 71:43
Can Development and Ecology be Reconciled?, John E. Skinner, CE:Apr 71:67
Dsc: Edward A. Abdun-Nur, CE:Sept 71:67
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, Preprint No.1333, Jan 71
Concepts and Utilities of Ecologic Model, Carl W. Chen, SA5:Oct 70:1085:7602
TR:136:1280
The Cross-Florida Barge Canal: A Lesson in Ecology, Suzy Fisher, CE:Apr 71:44
Dams and Ecology: Can They be Made Compatible?, Darrell J. Turner, CE:Sept 71:76
Is Technology Relevant?, Michael C. Kavanaugh, CE: Oct 70:44
Dsc: Bob Persons, CE:Feb 71:66; Kurt V. Leininger, CE:Mar 71:56
TR:136:872
Kinetics of Chlorine Disinfection in an Ecosystem, Leonard W. Hom, NSCD:pp.515-537, 1971
Let It Erode - to a Point, Clifford C. Hood, Preprint No.1348, Jan 71
Planning for Clean Water in Terms of the Ecology and Social Environment, P. H. McGauhey, CWFE: Mar 71:29
Report on the Session on Planning for Clean Water in Terms of Ecology and the Social Environment, William F. Garber, CWFE:Mar 71:35
Tunnel Vision or Ecological View, Virginia M. Hine, IR3:Sept 71:397:8368
USBR Specifications Focus on Environment, Bernard P. Bellport, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70

Economic Analysis
Allocating Water Among Alternative Uses, John E. Reynolds, IR1:Mar 71:85:7978
Bridge Design Considering Scour and Risk, Emmett M. Laursen, TE2:May 70:149:7262
TR:136:432
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
Design Capacities to Accommodate Forecast Uncertainties, Paul M. Berthouex and Lawrence B. Polkowski, SA5:Oct 70:1183:7633
TR:136:1180
Design Using Symbolic Topological Equations, Dennis R. Lagerquist and Steven J. Fenves, EM3: June 69:695:6624
TR:136:96
Economics of Channels and Maneuvering Areas for Ships, Richard G. Waugh, Jr., WW4:Nov 71:671: 8537
Economics of Solid Waste Investment Decisions, Robert M. Clark, UP1:Mar 70:65:7151
Evaluating Watershed Management Alternativee, Harry E. Brown, IR1:Mar 71:93:7952
Management of Solid Waste-The Utility Concept, Robert M. Clark, Richard O. Toftner and Thomas W. Bendixen, SA1:Feb 71:33:7875
Open Space Accessibility for Recreation, Lawrence D. Mann, UP2:Dec 71:207:8607

XUM

Optimal Routing of Refuse Collection Vehicles, Richard M. Bodner, E. Alan Cassell and J. Peter Andros, SA4:Aug 70:893:7451
TR:139:1274
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Optimum Replacement Life Of Large Scrapers, Charles R. Schrader, CO1:Mar 71:37:8000
Origin, Purpose, and Status of Project, Robert A. Nelson, TE4:Nov 70:439:7655
TR:136:1244
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459
TR:136:1032
Replacement-Lock and Dam No. 26: Lock Capacity Procedure and Scope, Anson G. Eickhorst and DuWayne A. Koch, WW1:Feb 70:15:7094
TR:136:445
Replacement-Lock and Dam No. 26: Projecting Waterborne Commerce-Inland Navigation, DuWayne A. Koch, WW1:Feb 70:9:7100
TR:136:507
Risk Evaluations for Offshore Structures, Peter W. Marshall, ST12:Dec 69:2907:6981
TR:136:480
Supercarriers Versus U.S. Harbor Dimensions, Francis P. Koisch, WW1:Feb 71:19:7904
Systems Innovations for Urban Transportation, Robert A. Burco and Clark D. Handerson, TE2: May 71:205:8126
Time-Capacity Expansion of Waste Treatment Systems, Thomas M. Rachford, Russell F. Scarato and George Tchobanoglous, SA6:Dec 69:1063:6957
TR:136:304
Volume Minimization of Thin Plates Subject to Constraints, Zachary Sherman and Ping-Chun Wang, EM3:June 71:741:8192
V/STOL Concepts for Short Haul Air Transport, Bernard L. Fry and R. William DeDecker, TE3: Aug 71:411:8277

Economic Conditions
Electrified Railroads -- A Catalyst in the Economy, Donald R. Austin, Preprint No.1434, July 71

Economic Development
Infrastructure Planning: Force Behind Port of Rotterdam's Growth, Sverre E. Bergh, CE:May 71: 79
Water Resources Planning in Appalachia, Stephen S. Fuller, UP2:Oct 70:123:7599

Economics
Conceptual Problems in Water Quality Economics, Virgil Whiteley and Bill B. Dendy, SA5:Oct 68:841: 6149
TR:136:651
The Design and Economics of Joint Wastewater Treatment Facilities, W. Wesley Eckenfelder, Jr. and Carl E. Adams, Jr., CWFE:Mar 71:291
Discrete Structural Optimization, Kenneth F. Reinschmidt, ST1:Jan 71:133:7829
Economic Location of Locks, Eric E. Bottoms, TE1: Feb 69:77:6397
Economics from the Viewpoint of Industry, Nelson L. Nemerow, CWFE:Mar 71:279
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078
Economics of Water Quality and Wastewater Control, Fred E. Case, CWFE:Mar 71:115
Initial Economic Evaluation of Slurry Pipeline Systems, E. J. Wasp, T. L. Thompson and T. C. Aude, TE2:Apr 71:271:8106
Issues in Statewide Transportation Planning, Joseph S. Drake and Lester A. Hoel, TE3:Aug 70:379:7480
TR:136:1072
Replacement-Lock and Dam No. 26: Projecting Waterborne Commerce-Inland Navigation, DuWayne A. Koch, WW1:Feb 70:9:7100
TR:136:507
Role of Economics in Planning Flood Plain Use, L. Douglas James, Preprint No.1552, Oct 71
Safe Yield of Aquifers: An Economic Reformulation, Robert A. Young, IR4:Dec 70:377:7719
Sensitivity Analysis of Wind Generated Wave Predictions, Charles D. D. Howard, WW2:May 71: 365:8153
Some Economic Aspects of Rain Stimulation, R. R. Rapp, Preprint No.1342, Jan 71
A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee, Harold W. Hansen, Chmn., TE3:Aug 69:399:6717
TR:136:659
Transmission Line Aesthetics and Economics, George A. Washburn, Preprint No.1383, Apr 71

Eddies
Eddy Formation Behind Circular Cylinders, Alan D. K. Laird, HY6:June 71:763:8170
Formation of Flood Plain Lands, Walter C. Carley, HY3:May 69:981:6574
TR:136:73

Education
ASCE'S Response to the Spencer Proposals, Alfred Board of Direction,ASCE, CE:Aug 70:46
TR:136:613
Black People Call for ASCE Social Action, Ralph E. Spencer, CE:Dec 69:73
Dsc: T. H. Evans, CE:Mar 70:42; Frank T. White, CE:Mar 70:42; Harold M. Maxwell, CE:Mar 70: 42; Robert Kiehl, CE:Mar 70:53; Edward P. Lewis, CE:Mar 70:42; William E. Dunn, CE: Apr 70:49; ASCE's Response to the Spencer Proposals, CE:Aug 70:46; Delon Hampton, CE: Jan 71:45; Frederick E. Jordan, CE:Jan 71:45
The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78
Civil Engineering Education: A Preparation for Management, John A. Havers, PP1:Sept 70:1:7544
TR:136:844
Civil Engineering Management in Private Practice, Elmer K. Timby, PP1:July 69:17:6661
TR:136:88
Construction Course for Junior High Schools, Donald G. Lux and Willis E. Ray, CE:May 71:37
Design Conduit System By Dynamic Programming, Rex K. Liang, CO1:Mar 71:383:7998
Education and Training Viewed by a Younger Member, James F. Stahl, CWFE:Mar 71:261
Engineering Education and a Professional Ethic, Charles R. Schrader, PP1:Oct 71:147:8460
Engineering Registration-License for What?, John W. Frazier, PP1:Sept 70:103:7562
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2: Dec 71:149:8568
Learning and Experience Curves, Marvin Gates and Amerigo Scarpa, Preprint No.1393, Apr 71
Multi-Discipline Case Study Approach to Education in Project Planning, William S. Gaither and Dennis R. Neuzil, CE:Dec 70:35
TR:136:1197
The Nature of Continuing Education, Alfred C. Ingersoll, CWFE:Mar 71:229
The Nature of Education in Environmental Engineering at Universities, Rolf Eliassen, CWFE: Mar 71:221
Recycling Civil Engineering Education, William K. Johnson, CE:Oct 71:101
Social and Environmental Factors in Design, Kneeland A. Godfrey, Jr., CE:Sept 70:48
TR:136:681
The Survey Engineer - A Rare Species, Arthur J. McNair, SU1:Apr 70:37:7197
TR:136:1135
Unfinished Business, Arthur J. Fox, CE:Mar 71:57

Effectiveness
Ultimate Energy Design of Prestressed Concrete Fender Piling, Shu-t'ien Li and Venkataswamy Ramakrishnan, WW4:Nov 71:647:8527

Effective Stress
Bonding, Effective Stresses and Strength of Soils, Iyer S. Ramantha, Awtar Singh and Richard G. Campanella, SM5:Sept 69:1219:6786
TR:136:200
Contact Pressure of a Rigid Circular Foundation, Michael M.K. Ho and R. Lopes, SM3:May 69:791:6554
TR:136:792
Predicting Effective Stress Paths, James P. Olson and Harvey E. Wahls, TN: SM8:Aug 71:1139:8307
Property Interrelationships in Sensitive Clays, William N. Houston and James K. Mitchell, SM4: July 69:1037:6666
TR:136:166

Efficiency
Efficiency of Hydraulic Jump, Satya P. Garg and Hari R. Sharma, HY3:Mar 71:409:7994
Evaluating Transportation Systems, Robert N. Young, William C. Ockert and Charles E. Pixton, TE2:May 71:347:8131
Introduction to Section I: Problem Definition, Daniel Brand, UTI:pp.1-2, 1971

Effluents
Analytic and Process Classification of Effluents, T. Helfgott, J. V. Hunter and D. Rickert, SA3:June 70:779:7374
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Industrial Waste Surcharges, Robert L. Coughlin, CWFE:Mar 71:323
Lateral Spreading of Heated Discharge, John C. Sonnichsen, PO3:July 71:623:8245
Trapping of Outfall Constituents behind Sills, T. Carstens and A. Sjoberg, 12CEC:pp.1917-1930, 1971

Eigenvalues
Postbuckling Behavior of Open Cylindrical Shells, Kuang-Han Chu and Peter Turula, EM6:Dec 70:877:7723
TR:136:1298
Torsional Vibrations of Conical Frustum, Surendra R. Shah, EM5:Oct 71:1521:8452

Elastic Analysis
Analysis of Elastic-Plastic Shells of Revolution, Mahmoud Khojasteh-Bakht and Egor P. Popov, EM3:June 70:327:7354
TR:136:936
Inelastic Behavior of R/C Cylindrical Shells, Harry G. Harris and Richard N. White, Preprint No.1401, Apr 71
Maximum Strength Elastic Structural Design, J. E. Taylor, EM3:June 69:653:6617
TR:136:1086
Optimum Elastic Design of Redundant Trusses, David Johnson and Derick M. Brotton, ST12:Dec 69:2589:6938
TR:136:399
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Three-Dimensional Bar Cell for Elastic Stress Analysis, Alexander Hrennikoff and A. Gantayat, EM3:June 70:313:7352
TR:136:914

Elastic Deformation
Elastic Behavior of Sand, Mohamed A. El-Sohby, SM6:Nov 69:1393:6916
TR:136:320

Elastic Foundations
Beam Columns on Elastic Foundations, Sridhara D.N. Murthy and Archibald N. Sherbourne, TN: EM3:June 71:1033:8160
Elastic Foundation Representation of Continuum, David Q. Fletcher and Leonard R. Herrmann, EM1:Feb 71:95:7932
Performance of Foundation for Altair Radar, Robert V. Whitman, Dirk R. Casagrande, Kjell Karlsrud and Richard Simon, SM1:Jan 71:1:7809
Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265

Elastic Modulus
Dynamic Moduli and Damping Ratios For Soft Clay, William D. Kovacs, H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Rock Mechanics Studies for Mossyrocky Arch Dam, David E. Kleiner and Richard C. Acker, PO1:Jan 71:11:7795

Elastic-Plastic Analysis
Thermo-Elasto-Plasticity, Robin G. Charlwood and Donald L. Anderson, Preprint No.1364, Apr 71

Elastic Properties
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807:7961
Buckling of Polar Orthotropic Annular Plates, K. Vijayakumar and C. V. Joga Rao, EM3:June 71:701:8171
Effect of Skew Penetration on Stress Concentration, Fernand Ellyin and Archibald N. Sherbourne, EM6:Dec 68:1317:6265
TR:136:37
Elastic Analysis for Behavior of Rockfill, Neville O. Boughton, SM5:Sept 70:1715:7532
TR:136:1042
Elastic Behavior of Biaxially Loaded Steel Columns, Ishwar C. Syal and Satya S. Sharma, ST3:Mar 70:469:7143
TR:136:593
Elastic Characteristics of Mooring Lines, Basil W. Wilson, BMS:pp.80-92, 1971
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Elastic-Plastic Analysis of Frameworks, Glenn A. Morris and Steven J. Fenves, ST5:May 70:931:7293
TR:136:898
Elastic-Plastic Bending of Rectangular Plates, Gerald W. May and Kurt H. Gerstle, ST7:July 71:1863:8237
Experimental Study of Flexural-Torsional Buckling, Alois J. Hartmann, ST7:July 70:1481:7414
TR:136:1325
Field Studies of Response of Peat to Plate Loading, J. B. Forrest and I. C. MacFarlane, SM4:July 69:949:6652
TR:136:146
Finite Element on Elastic Foundation, Henry T.Y. Yang, ST10:Oct 70:2083:7604
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Inelastic Flexural-Torsional Buckling, Alois J. Hartmann, EM4:Aug 71:1103:8294
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189:8357
Nonlinear Parameters of Vibrating Foundations, O.M. Christof Ehrler, SM6:Nov 68:1199:6208
TR:136:640
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Physical Strains in Nonlinear Thin Shell Theory, Peter G. Glockner and J. P. Shrivastava, EM6:Dec 69:1331:6956
TR:136:385

XUM

Recoverable Deformation Of Cohesionless Soils, Max D. Coon and Roger J. Evans, S&M2:Feb 71:375: 7911
Series Solution to Problems in Elastodynamics, Wilfred W. Recker, EM4:Aug 71:1257:8328
Structure-ground Interaction in Earthquakes, Johann H. Rainer, EM5:Oct 71:1431:8422
Theoretical Lateral Resistance of Nailed Joints, Thomas Lee Wilkinson, ST5:May 71:1381:8121
Theory of Nonlinear Elastic Structures, Graham H. Powell, ST12:Dec 69:2687:6943
TR:136:766
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327
Torsion of Multilayered Rectangular Section, John R. Booker and Sritawat Kitipornchai, EM5:Oct 71: 1451:8415
Variational Approach to Beams on Elastic Foundations, N. S. V. Kameswara Rao, Y. C. Das and M. Anandakrishnan, EM2:Apr 71:271:8034
Wave Propagation in Transversely Isotropic, Layered Cylinders, Henry E. Keck and Anthony E. Armenakas, EM2:Apr 71:541:8071

Elastic Shells
Dynamic Response of Imbedded Cylindrical Shell, Raymond Parnes, EM2:Apr 71:421:8073
Physical Strains in Nonlinear Thin Shell Theory, Peter G. Glockner and J. P. Shrivastava, EM6:Dec 69:1331:6956
TR:136:385

Elastic Theory
Behavior of Sands Under Surface Loads, Jack R. Morgan and Charles M. Gerrard, SM12:Dec 71: 1675:8577
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1: Feb 71:13:7902
Small Vibrations of Uniformly Compressed Isotropic Elastic Solids, Paul Seide, TN: EM4:Aug 71:1337: 8273
Stresses Under Linearly Loaded Rectangular Area, Jean-Pierre Giroud, SM1:Jan 70:263:7040
TR:136:505

Elastic Waves
Screening of Surface Waves in Soils, Richard D. Woods, PISST:pp.407-435, 1971

Electrical Insulators
Chicago's Northwest Incinerator, Milton Pikarsky, CE:Sept 71:55

Electric Analogs
Seepage Study Using Electrical Analog, Heinz Stefan and Johannes Meyer, HY2:Feb 70:411:7064
TR:136:458

Electric Current
Harmonic Currents in Catenary Systems from Chopper Control, K. Tachibana, T. Tsuboi and S. Kariya, Preprint No.1429, July 71

Electric Power
Research Needs in Civil Engineering Aspects of Power, Report of the Research Commission, Power Division, ASCE, E. Roy Tinney, Chmn., PO1:May 68:33:5935
TR:135:664

Electric Power Generation
Cooling Tower Applications in Power Cycle Design, Arthur J. Fiehn, PO1:Mar 69:55:6458
TR:136:760
Research Needs in Civil Engineering Aspects of Power, Report of the Research Commission, Power Division, ASCE, E. Roy Tinney, Chmn., PO1:May 68:33:5935
TR:135:664

Electric Power Plants
Blasting Mass-Concrete at Grand Coulee Dam, J. R. Granger, CE:Aug 71:28
Environmental Aspects of Site Selection, Eugene F. Dudley, Preprint No.1560, Oct 71
Internal Hydraulics of Thermal Discharge Diffusers, Svein Vigander, Rex A. Elder and Norman H. Brooks, HY2:Feb 70:509:7085
TR:136:1025
Modeling Spread of Heated Water over Lake, Heinz Stefan, PO3:June 70:469:7375
TR:136:1115
Nuclear Power Plant Tornado Design Considerations, James A. Dunlap and Karl Wiedner, PO2:Mar 71: 407:7949
St. Louis Power Plant to Burn City Refuse, F. E. Wisely, G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59
Thermal-Pollution Threat Draws Nearer, Eugene E. Dallaire, CE:Oct 70:67
TR:136:1093

Electric Power Transmission
Edward Hyatt (Orville) Underground Power Plant, Alfred R. Golze, PO2:Mar 71:419:7950

Electric Railroads
Advanced Passenger Train, A. H. Wickens, Preprint No.1461, July 71
Electrified Railroads -- A Catalyst in the Economy, Donald R. Austin, Preprint No.1434, July 71
Harmonic Currents in Catenary Systems from Chopper Control, K. Tachibana, T. Tsuboi and S. Kariya, Preprint No.1429, July 71
The Limited Tramway, Stewart F. Taylor, Preprint No.1463, July 71

Electrodialysis
Analytic and Process Classification of Effluents, T. Helfgott, J. V. Hunter and D. Rickert, SA3:June 70:779:7374

Electrokinetic Phenomena
Pore Pressures, Consolidation, and Electrokinetics, Melvin I. Esrig, PISST:pp.263-285, 1971

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Electronics
FHWA Traffic Research Program, Carl F. Izzard, TE2:May 71:333:8133
New Distance Measuring Instruments, Raymond W. Tomlinson, SU2:Sept 70:149:7521
TR:136:868
New Zeiss Electro-Optical Instrumentation, Dieter F. Schellens, SU2:Sept 70:173:7526
TR:136:905

Electroosmosis
In-place Treatment of Foundation Soils, James K. Mitchell, SM1:Jan 70:73:7035
TR:136:488
In-Place Treatment of Foundation Soils, James K. Mitchell, PISST:pp.93-130, 1971

Embankments
Evaluation of Pore Pressures Beneath and Embankment, David J. D'Appolonia, T. William Lambe and Harry G. Poulos, SM6:June 71:881: 8213
Rational Model Describing Slope Erosion, Dale L. Rowlison and Glen L. Martin, IR1:Mar 71:39:7981
Reverse and Direct Reservoir Routing Method Sets Highway Grade, Constantine Voutyras, CE:Oct 69: 56
TR:136:11

Settlement of Embankment on Layer of Soil, Jean-Pierre Giroud and Andre Rabatel, TN: SM1:Jan 71: 287:7787
Tests on Cohesionless Materials for Rockfill Dams, Emanuele Fumagalli, SM1:Jan 69:313:6353
TR:136:26

Embankment Subsidence
Settlement of Embankment on Layer of Soil, Jean-Pierre Giroud and Andre Rabatel, TN: SM1:Jan 71: 287:7787

Emergency Closures
Model Study of Power Intake Gate Of Mossyrock Dam, Robert A. Robertson and James W. Ball, HY7:July 71:889:8229

Empirical Equations
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525

Employee Relations
The Human Factor, Charles R. Schrader, Preprint No.1426, July 71

Employment
Civil Engineering Today: A Profession in Crisis-Part I, David Carsen, CE:Jan 70:48
TR:136:42
Civil Engineering Today: A Profession in Crisis-Part II, David Carsen, CE:Feb 70:51
Dsc: J. C. Olsen, CE:June 70:44; John M. Youngerman, CE:June 70:44; Richard McFalls, CE:June 70:44; Brice R. Smith, Jr., CE:June 70: 45; William S. Foster, CE:June 70:45; Augustine J. Fredrich, CE:June 70:46; Neal H. Bettigole, CE:June 70:46; Stanley W. Woods, CE:June 70: 46; Max L. Calhoon, CE:June 70:45
TR:136:42
Community Service and Urban Problems: Can Civil Engineers Make a Contribution?, Maynard Charles Nugent, CE:Jan 70:53
TR:136:54
Engineering Societies' Program for Training Minority Manpower, Sol E. Cooper, PP1:July 69:61:6694
TR:136:301
Guide for Public Agency Professional Development, Marble J. Hensley, PP1:Sept 70:55:7553
Guidelines for Employer-Engineer Relationships, CE: July 71:57
Local Sections and Social Action: How It Stands, Charles Hemming, CE:Nov 70:33
TR:136:1109
Minority Training Programs Lurch Ahead, Suzy Fisher, CE:Sept 71:68
A Word With The Executive Director About. . . The Quality of Personal Success, William H. Wisely, CE:June 71:37
Dsc: John M. Hayes, Carey H. Brown, Alfred C. Maevis, George L. Jackson and Gordon L. Williams, CE:Dec 71:63
The 4-Day Work Week and Transportatioi, Vincent R. Desimone, Preprint No.1480, July 71

Endrin
Contamination of Oysters by Pesticides, Donald R. Rowe, Larry W. Canter and J. W. Mason, SA5:Oct 70:1221:7619
TR:136:1294

Energy
Drag Forces on Baffle Blocks in Hydraulic Jump, David R. Basco and John R. Adams, HY12:Dec 71: 2023:8599
Energy Losses under Wave Action, P. D. Treloar and A. Brebner, 12CEC:pp.257-267, 1971
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Energy Dissipation
Air Entrainment and Energy Dissipation in Breakers, Alfred Fuhrboter, 12CEC:pp.391-398, 1971
Closed Conduit to Open Channel Stilling Basin, Gordon H. Flammer, Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
Energy Losses under Wave Action, P. D. Treloar and A. Brebner, 12CEC:pp.257-267, 1971
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Energy Dissipators
Control of Scour at Hydraulic Structures, Thomas E. Murphy, Preprint No.1288, Jan 71

Energy Equation
Work-Energy Equation for the Streamline, Hunter Rouse, HY5:May 70:1179:7300
TR:136:1228

Energy Losses
Energy Loss Analysis for Open Channel Expansions, Gaylord V. Skogerboe, HY10:Oct 71:1719:8464

Energy Methods
Asymptotic Stability Analysis of Viscoelastic Systems, Rong-Chung Shieh, EM2:Apr 71:193:8035
Nonlinear Formulations of Beam-Column Effects, Frank Baron and Mahadeva S. Venkatesan, ST4: Apr 71:1305:8080

Engine Blocks
Model for Flow Augmentation Analysis-An Overview, George R. Grantham, Edwin E. Pyatt, James P. Heaney and Buford J. Carter, Jr., SA5: Oct 70:1045:7578
TR:136:1131

Engineering
Can Development and Ecology be Reconciled?, John E. Skinner, CE:Apr 71:67
Dsc: Edward A. Abdun-Nur, CE:Sept 71:67
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Engineering-Architecture Interprofessional Practice, William H. Wisely, CE:Apr 71:37
Dsc: Shu-Tien Li, CE:Sept 71:72; William J. Heiser, CE:Sept 71:87; A. T. Waidelich, CE: Sept 71:93
Environmental Aspects of Airport System Planning, Jchn F. Brown, TE4:Nov 70:543:7674
TR:136:1284
A Game Plan for Interprofessional Collaboration in Engineering and Architecture, William H. Wisely, CE:Oct 71:41
Management and Engineering -- A Conflict, Norman B. Chew, Preprint No.1472, July 71
A Profile of the Future Construction System, Joseph C. Kellogg, CO1:Mar 71:147:7938

Engineering Education
Air Pollution and Civil Engineers-Careers and Design Problem, Paul W. Purdom, CE:Feb 70:48
TR:136:250
Analysis of Transportation Planning Education, Lester A. Hoel, TE2:May 70:123:7255
TR:136:1204
ASCE's New President Outlines a Suggested Course, Oscar S. Bray, CE:Dec 71:38
Basic Contemporary Urban Problems, Felipe U. Derteano, UP2:Oct 70:133:7608
Breaking New Ground, Oscar S. Bray, PP1:Oct 71:1: 8473

XUM

Can Decision-Making Be Taught?, John B. Scalzi, CE:July 70:37
TR:136:501
C.E. for C.E.'s - Who Needs It?, David J. Hall, Preprint No.1340, Jan 71
CE Students Learn Through Socially Useful Projects, Fred W. Lamar, CE:Jan 71:60
The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78
Civil Engineering Education for the 1970's, Edward G. Nawy, CE:Aug 71:70
Civil Engineering Today: A Profession in Crisis-Part I, David Carsen, CE:Jan 70:48
TR:136:42
Civil Engineering Today: A Profession in Crisis-Part II, David Carsen, CE:Feb 70:51
Dsc: J. C. Olsen, CE:June 70:44; John M. Youngerman, CE:June 70:44; Richard McFalls, CE:June 70:44; Brice R. Smith, Jr., CE:June 70: 45; William S. Foster, CE:June 70:45; Augustine J. Fredrich, CE:June 70:46; Neal H. Bettigole, CE:June 70:46; Stanley W. Woods, CE:June 70: 46; Max L. Calhoon, CE:June 70:45
TR:136:42
Education and Training Viewed by a Younger Member, James F. Stahl, CWFE:Mar 71:261
Engineering Career Counseling and Education, Ernest C. James and Orville Abbot, CE:Jan 70:71
TR:136:128
Engineering Education and a Professional Ethic, Charles R. Schrader, PP1:Oct 71:147:8460
Engineering Registration-License for What?, John W. Frazier, PP1:Sept 70:103:7562
Engineers Study Highway Safety, A. C. Estep, CE: Mar 70:68
TR:136:312
The Ethics of Teacher Evaluation, Chester Lee Allen, PP1:Oct 71:153:8465
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
Indoor Territoriality: An Anthropological Perspective, Donald A. Kennedy, ABS:pp.37-41, 1971
Instruction in Urban Planning for Civil Engineers, Peter S. Parsonson, UP1:Mar 70:23:7127
TR:136:1303
Learning and Experience Curves, Marvin Gates and Amerigo Scarpa, Preprint No.1393, Apr 71
Multi-Discipline Case Study Approach to Education in Project Planning, William S. Gaither and Dennis R. Neuzil, CE:Dec 70:35
TR:136:1197
The Nature of Continuing Education, Alfred C. Ingersoll, CWFE:Mar 71:229
The Nature of Education in Environmental Engineering at Universities, Rolf Eliassen, CWFE: Mar 71:221
Position Paper on Civil Engineering Education, by the ASCE Committee on Engineering Education, Merit P. White, Chmn., PP1:July 69:29:6671
TR:136:1102
Practical Continuing Education for the Individual Engineer, Russel C. Jones, CE:Feb 70:66
TR:136:105
Professional Input to Engineering Education, William H. Wisely, CE:Aug 71:27
Professional Practice for the Young Engineer, Charles S. Hedges, PP1:Sept 70:89:7558
TR:136:1201
Recycling Civil Engineering Education, William K. Johnson, CE:Oct 71:101
Role of Engineering Students in the Community, Terry M. Dolan, Preprint No.1455, July 71
Status Report of Survey and Mapping Division, William A. White, Preprint No.1318, Jan 71
Status Report of Surveying and Mapping Division, William A. White, SU2:Nov 71:267:8532
Students Tackle Pollution Problems, Darrell J. Turner, CE:Sept 70:51
Dsc: M. S. Misra, CE:Jan 71:64
TR:136:694
The Survey Engineer - A Rare Species, Arthur J. McNair, SU1:Apr 70:37:7197
TR:136:1135
Systems Approach and the Civil Engineer, Kenneth W. Heathington and R. Brian Bonton, PP1:Oct 71: 65:8457
To Practice or Perish, Dan H. Pletta and George A. Gray, PP1:Oct 71:131:8474

Engineering Geology

Tunnel Support-Where Does Geology Come In?, John F. Abel, Jr., CE:Feb 70:70
TR:136:193

Engineering Mechanics

Abnormality Detection in Simulated Arterial Systems, Marlyn E. Clark, Giovanni F. Ayala and Samuel L. Hawkes, EM5:Oct 69:1189:6854
TR:136:1226
Aeroelastic Instability of Prisms in Turbulent Flow, Milos Novak and Alan G. Davenport, EM1:Feb 70: 17:7076
TR:136:495
Airfoil and Bridge Deck Flutter Derivatives, Robert H. Scanlan and John J. Tomko, EM6:Dec 71:1717: 8609
Analysis of Accelerograms and Structural Response, S. K. Guha, S. P. Agarwal, V. P. Agarwal, P. D. Gosavi and S. C. Marwadi, TN: EM2:Apr 71:589: 8017
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70: 593:7591
TR:136:1140
Analysis of Elastic-Plastic Shells of Revolution, Mahmoud Khojasteh-Bakht and Egor P. Popov, EM3:June 70:327:7354
TR:136:936
Analysis of Laminated Curved Beams, Antone F. Sayegh and Stanley B. Dong, EM4:Aug 70:471: 7495
TR:136:1034
Analysis of Simply Supported Thick, Layered Plates, Yau-kai Cheung and Subrata Chakrabarti, TN: EM3:June 71:1039:8160
Analysis of Structures by Quadratic Programming, Mehdi S. Zarghamee, EM5:Oct 71:1495:8431
Analysis of the Triaxial Test for Granular Soils, Paul R. Paslay and Jay B. Weidler, EM3:June 69:587: 6611
TR:136:1063
An Analytical Description of the Behavior of Granular Media, Jay B. Weidler and Paul R. Paslay, EM2:Apr 69:379:6491
TR:136:712
Analytically Determined Bed-form Shape, Albert G. Mercer, TN: EM1:Feb 71:175:7858
Analytical Model for Prediction of Ice-Structure Interaction, Hudson Matlock, William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
Analytical Treatment of Two-Phase Infiltration, Richard L. Brustkern and Hubert J. Morel-Seytoux, HY12:Dec 70:2535:7743
TR:136:1316
Approximate Yield Surface Equations, Glenn A. Morris and Steven J. Fenves, EM4:Aug 69:937: 6741
TR:136:225
Artificial Intelligence Continuum Mechanics, Andrew K.C. Wong and George Bugliarello, EM6:Dec 70: 1239:7779
Asymptotic Stability Analysis of Viscoelastic Systems, Rong-Chung Shieh, EM2:Apr 71:193:8035
Axisymmetric Finite Deflection of Circular Plates, Gordon B. J. Mah, EM5:Oct 69:1125:6832
TR:136:333
Bandwidth Minimization of Stiffness Matrices, James G. Crose, TN: EM1:Feb 71:163:7858

Base Moment for a Class of Linear Systems, Jacobo Bielak, EM5:Oct 69:1053:6810
TR:136:277
Beam Columns on Elastic Foundations, Sridhara D.N. Murthy and Archibald N. Sherbourne, TN: EM3:June 71:1033:8160
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Bending of Clamped Orthotropic Sandwich Plates, G. M. Folie, EM3:June 70:243:7340
Blast Loaded Buried Arches, Jimmy P. Balsara, EM1: Feb 70:1:7058
TR:136:478
Bounds on Large Dynamic Deformations of Structures, Tomasz Wierzbicki, EM3:June 70:267: 7344
TR:136:835
Buckling and Post-Buckling of Spherical Caps, Nuri Akkas and Nelson R. Bauld, Jr., EM3:June 71:727: 8189
Buckling and Vibrations of Polygonal and Rhombic Plates, Sanford B. Roberts, EM2:Apr 71:305:8030
Buckling of Axially Loaded Cylindrical Panels, Pan San Hsueh and Alexander Chajes, EM3:June 71: 919:8210
Buckling of Clamped Rectangular Plates, Lotfi El-Bayoumy, EM4:Aug 71:1277:8336
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Buckling of Multilayer Plates by Finite Elements, Harry R. Lundgren and Ahmed E. Salama, EM2: Apr 71:477:8051
Buckling of Open Cylindrical Shells with Imperfections, Peter Turula and Kuang-Han Chu, EM6:Dec 70:1125:7733
TR:136:1308
Buckling of Open Cylindrical Shells Under Lateral Load, Kuang-Han Chu and Peter Turula, EM6:Dec 70:1143:7736
TR:136:1315
Buckling of Reinforced Concrete Shells, P. Harvey Griggs, EM3:June 71:687:8173
Buckling of Rhombic Plates, Patricio A. Laura and Joseph Grosson, TN: EM1:Feb 71:145:7858
Buckling of Simply Supported Folded Plates, Michel L. Mikhail and Sidney A. Guralnick, EM5:Oct 71: 1363:8414
Buckling of Simply Supported Skew Plates, Somayajulu Durvasula, EM3:June 71:967:8218
Buckling of Soil-Surrounded Tubes, James A. Cheney, EM4:Aug 71:1121:8297
Cable Net: Continuous System Analysis, Hugh Tottenham and Paul G. Williams, EM3:June 70: 277:7347
TR:136:1187
Capillarity and Seepage from an Array of Channels, John C. Bruch, Jr., EM6:Dec 69:1403:6972
TR:136:446
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196
Computer Analysis of Large Linear Frames, William D. Whetstone, ST11:Nov 69:2401:6897
TR:136:1065
Constitutive Relations for Inelastic Granular Medium, Jay B. Weidler and Paul R. Paslay, EM4: Aug 70:395:7475
TR:136:1023
Cooling Towers Supported on Columns, Salman H. Abu-Sitta, ST12:Dec 70:2575:7753
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Cylindrical Shell Subject to Longitudinal Line Load, Amir K. Naghdi, EM5:Oct 70:653:7617
TR:136:1246
Cylindrical Shell Under Sudden PressurizatioS, Edward G. Lovell, EM6:Dec 70:1229:7776
TR:136:1331
Data Reduction from Nonlinear Response Curves, Milos Novak, EM4:Aug 71:1187:8300
Design Using Symbolic Topological Equations, Dennis R. Lagerquist and Steven J. Fenves, EM3: June 69:695:6624
TR:136:96
Determination of Signs in Moire Method, Fu-Pen Chiang, EM6:Dec 69:1379:6963
TR:136:419
Directional Analysis in Model Design, Fernando Vasco Costa, EM2:Apr 71:519:8053
Duality Between Limit Analysis and Limit Design, Geroge I.N. Rozvany, TN: EM6:Dec 71:1763:8559
Duality in Finite Element Methods, Zaid M. Elias, EM4:Aug 68:931:6074
TR:136:630
Dynamic Analysis of Inelastic Space Frames, Robert K. Wen and Fereydoon Farhoomand, EM5:Oct 70: 667:7621
TR:136:1113
Dynamic Analysis of Plane Coupled Shear Walls, Wai K. Tso and Ho-Bong Chan, EM1:Feb 71:33: 7899
Dynamic Buckling of Cylindrical Shell, Charles C. Cromer and Robert E. Ball, EM3:June 71:657:8187
Dynamic Buckling of Shallow Arches, Robert E. Fulton and Furman W. Barton, EM3:June 71:865: 8214
Dynamic Response of Circular Footings, Juan E. Luco and Russell A. Westmann, EM5:Oct 71:1381: 8416
Dynamic Response of Imbedded Cylindrical Shell, Raymond Parnes, EM2:Apr 71:421:8073
Dynamic Response of Initially-Stressed Membrane Shells, John W. Leonard, EM5:Oct 69:1231:6859
TR:136:822
Dynamics of Correlated Random Pulse Trains, Shih-Chi Liu, EM4:Aug 70:455:7490
TR:136:979
Dynamics of Earth Dams with Foundation Interaction, Anil K. Chopra and P. R. Perumalswami, EM2:Apr 71:181:8049
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Dynamic Stability of Circular Cylindrical Sandwich Panels, Conor D. Johnson and Nelson R. Bauld, Jr., EM6:Dec 71:1643:8598
Dynamic Stability of Plates by Finite Elements, Johnny M. Hutt and Ahmed E. Salam, EM3:June 71:879:8211
Dynamic Stability of Tube Conveying Fluid, Shoei-sheng Chen, EM5:Oct 71:1469:8420
Earthquake Interaction by Fast Fourier Transform, Shih-Chi Liu and Lawrence W. Fagel, EM4:Aug 71:1223:8324
Earthquake Response of Concrete Gravity Dams, Anil K. Chopra, EM4:Aug 70:443:7485
TR:136:1176
Effect of Skew Penetration on Stress Concentration, Fernand Ellyin and Archibald N. Sherbourne, EM6:Dec 68:1317:6265
TR:136:37
Effect of Weight on Large Deflections of Arches, J. Stewart Kennedy and Anand S. Aggarwal, EM3: June 71:637:8165
Eigenvalue Analysis of Structures by Folding Force, Itio Hirai and Torazo Yoshimura, EM6:Dec 70: 1081:7728
TR:136:1301
Elastic Buckling of Beam Flange Plates, Kuang-Han Chu and Albert J. Gouwens, TN: EM4:Aug 71: 1329:8273
Elastic Buckling of Two Component Columns, Yu-wen Hsu, EM3:June 69:611:6612
TR:136:155
Elastic Foundation Representation of Continuum, David Q. Fletcher and Leonard R. Herrmann, EM1:Feb 71:95:7932
Elastic Free-Field Motion Due to Nuclear Blast, Leif E. Fugelso, Robert K. Waddick and Glen L. Heidhardt, EM6:Dec 68:1337:6266
TR:136:666
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1: Feb 71:13:7902

XUM

Element Stiffness Matrix Generator, Richard H. Gunderson and Ayhan Cetiner, ST1:Jan 71:363: 7842

Equivalent Linearization for Random Vibration, Loren D. Lutes, EM3:June 70:227:7333
TR:136:598

Extensibility of Concrete and Theorems of Limit Analysis, Wai F. Chen, EM3:June 70:341:7369
TR:136:874

Extension of Incremental Collapse Theorems, Atle Gjelsvik, TN: EM5:Oct 71:1603:8412

Face Wrinkling of Sandwich Plates and Cylinders, Yau-Cheung Wong and Peter G. Hoadley, EM4: Aug 71:1071:8281

Failure of Unidirectional Composites In Tension, Ori Ishai, EMj1972:Apr 71:205:8043

Finite Deflections of Curved Beams, John C. McWhorter, Harry R. Wetenkamp and Omar M. Sidebottom, EM2:Apr 71:345:8046

Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69: 859:6719
TR:136:192

Finite-Element Analysis of Seepage in Elastic Media, Ranbir S. Sandhu and Edward L. Wilson, EM3: June 69:641:6615
TR:136:770

Finite Element Analysis of Thick Shell of Revolution, T. J. Chung and Martin A. Bandy, TN: EM4:Aug 71:1315:8273

Finite Element Bending Analysis of Reissner Plates, Charles W. Pryor, Jr., Richard M. Barker and Daniel Frederick, EM6:Dec 70:967:7760

Finite Elements and Dynamic Viscoelasticity, David W. Malone and Jerome J. Connor, EM4:Aug 71: 1145:8293

Flexural Vibrations of Laminated Plate, Jan D. Achenbach and Tony R. Zerbe, EM3:June 71:619: 8181

Flexural Vibrations of Rectangular and Other Polygonal Plates, Yau-Kai Cheung and M. S. Cheung, EM2:Apr 71:391:8038

Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324

Folded Plate Structures by Finite Strip Method, Yau-kai Cheung, ST12:Dec 69:2963:6985
TR:136:760

Formulas for Convective Motion of Fluids, Gee Tsang, TN: EM1:Feb 71:155:7858

Formulation of Mathematical Watershed-Flow Model, Cheng-lung Chen and Ven Te Chow, EM3: June 71:809:8199

Fracture Mechanism in Concrete: How Much do We Know?, Sandor Popovics, EM3:June 69:531: 6604
TR:136:118

Free Transverse Vibration of Flat Slabs, Paul P. Lynn and Nahit Kumbasar, EM1:Feb 69:255:6425
TR:136:727

Free Vibration Characteristics of Shell Roofs, Anand S. Arya and Shashi K. Thakkar, EM1:Feb 71:109: 7929

Free Vibration of Hyperbolic Cooling Towers, Mahmoud G. Hashish and Salman H. Abu-Sitta, EM2:Apr 71:253:8037

Free Vibration of Stochastic Beam-Column, Masaru Hoshiya and Haresh C. Shah, EM4:Aug 71:1239: 8331

Free Vibrations of Hyperboloidal Shells of Revolution, Robert L. Carter, Arthur R. Robinson and William C. Schnobrich, EM5:Oct 69:1033:6808
TR:136:260

Frequency Analysis Of Thin-Walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, EM2:Apr 71:239:8028

Fundamental Frequencies of Axially Moving Beams, Chien-Yung Wei and John Peddieson, Jr., TN: EM4:Aug 71:1343:8273

General Solution of Inelastic Beam-Column Problem, Wai F. Chen, EM4:Aug 70:421:7482
TR:136:957

Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392

Geometrically Nonlinear Finite-Element Analysis, Carlos Brebbia and Jerome J. Connor, EM2:Apr 69: 463:6516
TR:136:731

Gravity and Surface-Load Stresses in Spheres, August J. Durelli, Vincent J. Parks and Luis Ferrer, EM4:Aug 70:407:7481
TR:136:1010

Griffith Fracture Criterion and Concrete, Surendra P. Shah and Fred J. McGarry, EM6:Dec 71:1663: 8597

Higher Mode Buckling of Bimetallic Beam, David Burgreen and David Regal, EM4:Aug 71:1045:8305

Hyperboloids of Revolution Supported on Columns, Phillip L. Gould and Seng-Lip Lee, EM.5:Oct 69: 1083:6820
TR:136:312

Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607

Improving Approximate Eigenvalues and Eigenvectors, Arthur R. Robinson and John F. Harris, EM2:Apr 71:457:8047

Inadequacies of Piston Theory in Fluid-Shell Interactions, Jerome M. Klosner, EM2:Apr 70:143: 7237
TR:136:1199

Inelastic Buckling of Axisymmetric Shells, James C. Hayes and Lawrence H.N. Lee, EM6:Dec 70:1107: 7765

Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71: 773:8198

Inelastic Flexural-Torsional Buckling, Alois J. Hartmann, EM4:Aug 71:1103:8294

Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205

Initial Buckling of Channels in Compression, William H. Wittrick and Frederic W. Williams, EM3:June 71:711:8177

Intersecting Titanium Spheres for Deep Submersibles, George F. Leon, EM3:June 71:981:8219

Irregular Shaped Plates with Singularities, David H. Geiger, EM5:Oct 71:1533:8458

Kelvin's Solution of Torsion Problem, Egor P. Popov, EM6:Dec 70:1005:7734
TR:136:1311

Lagrangian Formulation of Statics of Shells, J. P. Shrivastava and Peter G. Glockner, EM5:Oct 70: 547:7584
TR:136:1076

Large Deflections of Viscoelastic Rings, Michael Schoenberg, EM1:Feb 69:223:6410
TR:136:684

Lateral Stability of Nonuniform Cantilevers, Campbell Massey and Peter J. McGuire, EM3:June 71:673:8172

Life Expectancy of Highway Bridges to Vehicle Loads, Chi Chao Tung, EM6:Dec 69:1417:6976
TR:136:463

Lift-Oscillator Model of Vortex-Induced Vibration, Ronald T. Hartlen and Iain G. Currie, EM5:Oct 70: 577:7606

Limit Analysis of Plates Under Combined Loads, Kenneth W. Neale and Niels C. Lind, EM5:Oct 70: 711:7610
TR:136:1151

Lumped Parameter Beams Based on Impedance Methods, Vernon H. Neubert, Hong T. Hahn and Hae Lee, EM1:Feb 70:69:7099
TR:136:544

Macro Approach to Discrete Field Analysis, Donald L. Dean and Hota V.S. GangaRao, EM4:Aug 70: 377:7463
TR:136:996

Material Model for Granular Soils, Frank L. DiMaggio and Ivan S. Sandler, EM3:June 71:935: 8212

Matrix Method for Linear Response of Structures, Gordon B.J. Mah, EM5:Oct 69:1101:6831
TR:136:325

Maximum Dynamic Response and Proof Testing, Jann-Nan Yang and Ewald Heer, TN: EM4:Aug 71:1307:8273
Maximum Strength Elastic Structural Design, J. E. Taylor, EM3:June 69:653:6617
TR:136:1086
Maximum Structural Response to Seismic Excitations, Masanobu Shinozuka, EM5:Oct 70: 729:7620
Model for Nonlinear Dynamics of Offshore Towers, Edward Terence Foster, Jr., EM1:Feb 70:41:7093
TR:136:513
A Model for Turbulent Transfer in the Wall Region, Lindon C. Thomas and Liang T. Fan, TN: EM1: Feb 71:169:7858
Model-free Design of Aseismic Structures, Rudolf F. Drenick, EM4:Aug 70:483:7496
TR:136:1046
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Nondeterministic Analysis of Offshore Structures, Anil K. Malhotra and Joseph Penzien, EM6:Dec 70:985:7777
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189: 8357
Nonlinear Buckling Analysis of Sandwich Arches, Parviz Sharifi and Egor P. Popov, EM5:Oct 71: 1397:8417
Nonsymmetric Modes of Complete Spherical Shells, John F. Gormley and William C. L. Hu, EM3:June 69:545:6606
TR:136:632
Onset of Instability Of Power-Law Fluid in Couette Flow, Yun-Sheng Yu and Dan B. McVickar, EM1: Feb 71:1:7887
Optimal Multifunctional Material Systems, Edward M. Krokosky, EM2:Apr 71:559:8077
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Parametric Vibration Response of Columns, Martin L. Moody, EM3:June 69:665:6619
TR:136:81
Penetration of Beam on Plastic Foundation, Robert J. Green, TN: EM6:Dec 71:1769
Periodic Excitation of Multiple-Unit Impact Dampers, S. F. Masri, EM6:Dec 70:1195:7747
TR:136:1321
Plane Stress Limit Analysis by Finite Elements, Ted Belytschko and Philip G. Hodge, Jr., EM6:Dec 70: 931:7746
Plastic Analysis of a Plate Sealing a Fluid, Richard H. Lance and David N. Robinson, EM6:Dec 70: 1183:7742
TR:136:1318
Plastic Buckling Of Point-Loaded Spherical Shells, Stephan S-K Wang and Sanford B. Roberts, EM1: Feb 71:77:7930
Plastic Indentation of Metal Blocks by Flat Punch, Wai F. Chen, EM3:June 70:353:7370
TR:136:897
Postbuckling Behavior of Open Cylindrical Shells, Kuang-Han Chu and Peter Turula, EM6:Dec 70: 877:7723
TR:136:1298
Postbuckling of Column under Distributed Axial Load, Tung-Ming Wang, TN: EM4:Aug 71:1323: 8273
Post Lateral Buckling Behavior of Beams, Gerald Zumost and E. Russell Johnston, Jr., EM4:Aug 71: 1133:8313
Pressure Buckling of Ring Encased in Cavity, James A. Cheney, EM2:Apr 71:333:8024
Probabilistic Response Analyses to Earthquakes, R. Narayana Iyengar and Kashi T. Sundara Raja Iyengar, EM3:June 70:207:7321
Radial Flow Between Porous and Solid Discs, Chyan S. Chiou and Harold L. Weissberg, TN: EM6:Dec 71:1759:8559
Random Behavior of Columns, Paul H. Wirsching and James T. P. Yao, EM3:June 71:605:8183
Random Processes for Earthquake Simulation, Roy Levy, Frank Kozin and Robert B.B. Moorman, EM2:Apr 71:495:8057
Random Walk Model for First-Passage Probability, Richard H. Toland and Cheng Y. Yang, EM3:June 71:791:8200
Relaxation of Piles in Sand and Inorganic Silts, Nai C. Yang, SM2:Mar 70:395:7123
TR:136:550
Reliability Optimization in Isostatic Structures, Emilio Rosenblueth and Enrique Mendoza, EM6: Dec 71:1625:8584
Response Computation Using Truncated Taylor Serier, Joseph E. Grant, EM2:Apr 71:295:8019
Response of Rate-Sensitive Frames to Impulsive Loads, Nicholas Perrone, EM1:Feb 71:49:7890
Rotary Flow Meter as Turbulence Transducer, Erich J. Plate and James P. Bennett, EM6:Dec 69:1307: 6955
TR:136:364
Seepage Under Structure on Four Soil Strata, Charles W. Lenau, EM2:Apr 71:223:8058
Series Solution to Problems in Elastodynamics, Wilfred W. Recker, EM4:Aug 71:1257:8328
Small Vibrations of Uniformly Compressed Isotropic Elastic Solids, Paul Seide, TN: EM4:Aug 71:1337: 8273
Soil Indentation by Translating Flanged Plate, Jack L. Dais, EM4:Aug 71:1057:8285
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424
Southwell Plot for Beam-Columns, Robert H. Leicester, EM6:Dec 70:945:7750
TR:136:1260
Spherical Waves in Inelastic Materials, Jeremy Isenberg and Anjan K. Bhaumik, EM3:June 71:901: 8207
Stability Criteria for Shallow Arches, James F. Dickie and Peter Broughton, EM3:June 71:951:8217
Stability of a Heated Plastic Column, Li-Chung Tao and Atle Gjelsvik, EM5:Oct 69:1169:6849
TR:136:802
Stability of Columns With Transient Loads, Siegfried M. Holzer, EM6:Dec 70:913:7730
TR:136:1306
Stability of Edge-Reinforced Circular Plate, Rene Amon and Otto E. Widera, TN: EM5:Oct 71:1597: 8412
Stability of Hyperboloidal Cooling Tower, Henry L. Langhaar, Arthur P. Boresi, Robert E. Miller and Jerry J. Bruegging, EM5:Oct 70:753:7635
Stability of Water Cooled Columns, Atle Gjelsvik, EM4:Aug 71:1205:8335
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Statistical Model of Turbulence in Sediment-Laden Streams, W. J. Conover and N. C. Matalas, EM5: Oct 69:1063:6814
TR:136:294
Steady Free Surface Flow Over Wavy Bed, Chiang C. Mei, EM6:Dec 69:1393:6967
TR:136:1208
Steady Seepage Toward Circle of Finite Radius, Bruce W. Hunt, TN: EM2:Apr 71:599:8017
Steady-State Response of Yielding Shear Structure, Wilfred D. Iwan, EM6:Dec 70:1209:7774
Stiffness Matrix for Plates by Galerkin's Method, Barna A. Szabo and George C. Lee, EM3:June 69: 571:6608
TR:136:137
Stochastic Hydrodynamics of Sediment Transport, Chao-Lin Chiu and Kuang-Chen Chen, EM5:Oct 69:1215:6858
TR:136:341
Stochastic Model of Turbulent Channel Flow, Jay C. Hardin and Arnold L. Sweet, EM2:Apr 71:375: 8056
Stochastic Seismic Response of Structures, Patricio Ruiz and Joseph Penzien, EM2:Apr 71:441:8050
Strain Rate Effects in Particulate-Filled Epoxy, Larry W. Oline and Russell Johnson, EM4:Aug 71:1159: 8314

XUM

Structure-ground Interaction in Earthquakes, Johann H. Rainer, EM5:Oct 71:1431:8422
Testing and Design of Advanced Composite Materials, Edward M. Lenoe, EM6:Dec 70:809:7729
TR:136:1304
Thermal Buckling of a Bimetallic Beam, David Burgreen and Phillip J. Manitt, EM2:Apr 69:421:6509
TR:136:745
Thermal Stresses in Multilayer Anisotropic Shells, Tung D. Lin and D. E. Boyd, EM3:June 71:829:8206
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327
Three-Dimensional Bar Cell for Elastic Stress Analysis, Alexander Hrennikoff and A. Gantayat, EM3:June 70:313:7352
TR:136:914
Torsional Vibrations of Conical Frustum, Surendra R. Shah, EM5:Oct 71:1521:8452
Torsion of Multilayered Rectangular Section, John R. Booker and Sritawat Kitipornchai, EM5:Oct 71:1451:8415
Triangular Framework Model for Plate Bending, Eero-Matti Salonen, TN: EM1:Feb 71:149:7858
Turbulence Structure in Plane Couette Flow, James M. Robertson and Henry F. Johnson, EM6:Dec 70:1171:7754
Turbulent Diffusion and Schmidt Number of Particles, Michael K. Householder and Victor W. Goldschmidt, EM6:Dec 69:1345:6961
TR:136:403
Unified Analysis of Grid Turbulence, Eduard Naudascher and Cesar Farell, EM2:Apr 70:121:7214
TR:136:570
Upper Bound for Two-Sided Barrier Problem, Arnold L. Sweet, EM6:Dec 69:1369:6962
TR:136:433
Upper Bounds in Complementary Energy Method, Cenap Oran, EM4:Aug 71:1093:8289
Validity of Stokes Theory for Accelerating Spheres, Lyle F. Mockros and Robert Y.S. Lai, EM3:June 69:629:6613
TR:136:177
Variational Approach to Beams on Elastic Foundations, N. S. V. Kameswara Rao, Y. C. Das and M. Anandakrishnan, EM2:Apr 71:271:8034
Variational Principles for Flow in Porous Media, Shlomo P. Neuman and Paul A. Witherspoon, EM2:Apr 71:359:8023
Vibration Analysis of Thin Cylindrical Containers, Anand S. Arya, Shashi K. Thakkar and Atul C. Goyal, EM2:Apr 71:317:8010
Vibration of Structures Having Changing Boundaries, Manuel A. G. Silva and Leon M. Keer, EM3:June 71:1007:8220
Vibration of Support Excited Tubes in Coaxial Flow, Stanley A. Knudson and Gerald S. Smith, EM6:Dec 70:1039:7775
Volume Minimization of Thin Plates Subject to Constraints, Zachary Sherman and Ping-Chun Wang, EM3:June 71:741:8192
Water Surface Velocities Induced by Wind Shear, Erich J. Plate, EM3:June 70:295:7351
TR:136:860
Wave Propagation in Transversely Isotropic, Layered Cylinders, Henry E. Keck and Anthony E. Armenakas, EM2:Apr 71:541:8071
Wind Action on Simple Yielding Structures, Barry J. Vickery, EM2:Apr 70:107:7204
TR:136:1218
Yield and Failure of Glass-Epoxy Composites, Ori Ishai, Arlo E. Moehlenpah and Aaron Preis, EM5:Oct 70:739:7616
TR:136:1240
Yielding in Framed Structures Under Dynamic Loads, Navin C. Nigam, EM5:Oct 70:687:7613
TR:136:1125
Yield Points For Partially Loaded Spherical Domes, John Schroeder and Prasanta Roy, EM1:Feb 71:63:7888

Engineering Schools

C.E. for C.E.'s - Who Needs It?, David J. Hall, Preprint No.1340, Jan 71
CE Students Learn Through Socially Useful Projects, Fred W. Lamar, CE:Jan 71:60
Engineering Education and a Professional Ethic, Charles R. Schrader, PP1:Oct 71:147:8460

Engineering Services

Action in Public Affairs - A Way of Life, James W. McPhillips, Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71

Engineering Societies

Engineering Societies' Program for Training Minority Manpower, Sol E. Cooper, PP1:July 69:61:6694
TR:136:301
Should Registration Involve Politics?, Wesley E. Haynes, CE:May 71:83

Engineering Standards

Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885

Engineers

Civil Engineer in Federal Government, Nicholas J. Oganovic, PP1:Sept 70:9:7546
TR:136:879
Engineering and Society: A Contemporary Challenge, George R. Beetle, CE:Feb 71:51
Dsc: Robert F. Borg, CE:July 71:40
Management Structure for Irrigation, Richard A. Smith, IR4:Dec 70:475:7722
Man-Oriented Program System for Engineering, George Rabe and Vincent A. Trossello, ST1:Jan 71:223:7850
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Should Registration Involve Politics?, Wesley E. Haynes, CE:May 71:83

Enteric Bacteria

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Entrainment

Turbulent Diffusion and Entrainment in Two-Layer Flow, T. Carstens, WW1:Feb 70:97:7081
TR:136:724

Environmental Engineering

Adsorption of Pesticides by Clay Minerals, Ju-Chang Huang and Cheng-Sun Liao, SA5:Oct 70:1057:7603
Basic Contemporary Urban Problems, Felipe U. Derteano, UP2:Oct 70:133:7608
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Blueprint for the New ASCE Year, Samuel S. Baxter, CE:Jan 71:43
Case Studies of Interdisciplinary Team Efforts in Environmental Design, Eugene D. Jones, ABS:pp.75-81, 1971
The City is the People--So is the Planning/Building Process, Morton Hoppenfeld, ABS:pp.91-100, 1971

Clean Water: The Management Problem, Thomas Carroll, CWFE:Mar 71:13
Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016
Condenser Cooling and Pumped-Storage Reservoirs, Eli Sefchovich, PO3:July 71:611:8247
Constructive Criticism of Public Works, G. H. Andrews, Preprint No.1435, July 71
Control of Water Pollution During Dam Construction, Charles A. McCullough and Robert R. Nicklen, SA1:Feb 71:81:7927
Edward Hyatt Powerplant Intake Structure, Paul H. Gilbert, PO1:Mar 69:110:6471
TR:136:814
Effects of Reservoir Impoundment on Water Quality, Frank H. Posey, Jr. and Joseph W. DeWitt, PO1: Jan 70:173:7041
TR:136:1209
Environmental Aspects of Site Selection, Eugene F. Dudley, Preprint No.1560, Oct 71
The Environmental Challenge--Values in Conflict, James H. Wright, PP1:Oct 71:17:8471
Environmental Considerations in Design of Transmission Lines, Harry Brenman and Dwight A. Covington, PO3:June 70:369:7350
TR:136:1152
Environmental Health and Community Planning, Joseph A. Salvato, Jr., UP1:Aug 68:23:6084
TR:136:238
Environmentally Attractive Methods to Store or Use Fly Ash, David E. Kleiner, Preprint No.1555, Oct 71
Experiences with Interdisciplinary Teams, Norman M. Klein, ABS:pp.83-90, 1971
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256
TR:136:830
Federal Involvement Toward Clean Water for Our Future Environment, Eugene T. Jensen, CWFE: Mar 71:267
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Indoor Territoriality: An Anthropological Perspective, Donald A. Kennedy, ABS:pp.37-41, 1971
Integrated Management of Metropolitan Water Services, Edwin L. Vopelak, UWRM:pp.36-42, 1971
Is Technology Relevant?, Michael C. Kavanaugh, CE: Oct 70:44
Dsc: Bob Persons, CE:Feb 71:66; Kurt V. Leininger, CE:Mar 71:56
TR:136:872
Keynote Address, Oscar S. Gray, ABS:pp.1-9, 1971
The Nature of Education in Environmental Engineering at Universities, Rolf Eliassen, CWFE: Mar 71:221
Nitrogen Removal By Modified Activated Sludge Process, Srinivasalu Balakrishnan and W. Wesley Eckenfelder, Jr., SA2:Apr 70:501:7236
TR:136:901
Pollution, Politics and Protest, Charles L. Gould, PP1:Oct 71:23:8468
Power Optimization for Prescribed Thermal Pollution, Amir N. Nahavandi and Michael Pappas, PO3:July 71:631:8254
Principles of River Bed Adjustment, Thomas Blench, Preprint No.1513, July 71
Proposals for Gaining Acceptance for Gaining Acceptance for Urban Freeways, Andrew S. Balbiani, Richard J. Naish and Daniel M. Reisner, TE4:Nov 70:585:7672
TR:136:1278
Proposed Environmental Quality Policy for ASCE, Ralph Stone, CWFE:Mar 71:373
Prospectives in Bioengineering Research for Civil Engineers, George Bugliarello, PP1:Oct 71:83:8461
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TR:136:1170
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TR:136:1307
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Escalation Clauses
Multi-year Construction Contracts, Donald A. Patrick, CE:Jan 71:65

Esthetics
Aesthetic Factors in Planning and Design of Libby Dam, Sydney Steinborn, PO1:Jan 70:39:6999
TR:136:330
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TR:136:1152
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Dsc: Harry J. Ginsberg, CE:Feb 71:55
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Estimating
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Analysis Techniques for Houston Ship Channel, Roy W. Hann, Jr., WW2:May 70:171:7258
TR:136:1193
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TR:136:871
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TR:136:875
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TR:136:1200
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TR:136:517
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TR:136:678
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TR:136:624
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TR:136:756
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TR:136:391
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TR:136:772
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TR:136:1188
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Estimating Eutrophic Potential of Pollutants, Dee Mitchell and James C. Buzzell, Jr., SA4:Aug 71: 453:8333

Evaluation
The Ethics of Teacher Evaluation, Chester Lee Allen, PP1:Oct 71:153:8465
Evaluating Transportation Systems, Robert N. Young, William C. Ockert and Charles E. Pixton, TE2:May 71:347:8131
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2: Dec 71:149:8568
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TR:136:1212
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Evaporation
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, PO3:July 71:589:8250

XUM

Evaporation Reduction with Floating Granular Materials, Lloyd E. Myers and Gary W. Frasier, IR4:Dec 70:425:7741
TR:136:1272
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TR:136:1028
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TR:136:1198
Use of Atmometers in Estimating Evapotranspiration, John W. Shannon, IR3:Sept 68:309:6120
TR:136:840

Evaporation Control
Evaporation Reduction with Floating Granular Materials, Lloyd E. Myers and Gary W. Frasier, IR4:Dec 70:425:7741
TR:136:1272

Evaporative Cooling
Cooling Tower Applications in Power Cycle Design, Arthur J. Fiehn, PO1:Mar 69:55:6458
TR:136:760

Evapotranspiration
Scheduling Irrigations Using Climate-Crop-Soil Data, Marvin E. Jensen, David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524

Excavation
Analysis of Soil Movement Around a Deep Excavation, Chin-Yung Chang and James M. Duncan, SM5:Sept 70:1655:7512
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TR:136:950
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TR:136:928
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TR:136:427
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TR:136:152
River Diversion for Boundary Dam, Adolf A. Schilling, PO3:June 70:319:7339
TR:136:1027
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Sloped Sheeting, Harry Schnabel, Jr., CE:Feb 71:48
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Suction Wells Dewater Large Construction Site, Robert G. Lenz, CE:Feb 70:40
TR:136:175

Excitation
Dynamics of Correlated Random Pulse Trains, Shih-Chi Liu, EM4:Aug 70:455:7490
TR:136:979
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Properties of Spectral Moments with Application to Random Vibration, Erik H. Vanmarcke, Preprint No.1375, Apr 71

Expansive Clays
Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265

Expectation
The Driver and the Road, Donald L. Woods, TE4: Nov 71:609:8513

Expenses
Computer Charges and Engineering Organizations, Daniel Roos, ST1:Jan 71:339:7834
Computer Design of CMAS Systems, Daniel W. Smith, SA4:Aug 70:977:7474
TR:136:1013
Construction Cost of Expressways, Barbara A. Huvane, TE2:May 71:173:8113
Decentralized Solid Waste Collection Facilities, Robert M. Clark and Billy P. Helms, SA5:Oct 70: 1035:7594
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TR:136:939
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TR:136:659
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TR:136:304
Topics Fund Apportionment Formula, Mo C. Li, Preprint No.1459, July 71

Experience
Learning and Experience Curves, Marvin Gates and Amerigo Scarpa, Preprint No.1393, Apr 71

Experimental Data
De Saint-Venant Equations Experimentally Verified, Willem F. Brutsaert, HY9:Sept 71:1387:8378
Experimental Study of Lateral Buckling of Arches, Frank J. Tokarz, ST2:Feb 71:545:7893
Flexural Vibrations of Laminated Plate, Jan D. Achenbach and Tony R. Zerbe, EM3:June 71:619: 8181

Experimentation
Consolidation of Clay and Peat with Variable Properties, Trevor J. Poskitt, SM6:June 71:841: 8178
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TR:136:590
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TR:136:785

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Exploration
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TR:136:778
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Explosions
Spherical Waves in Inelastic Materials, Jeremy Isenberg and Anjan K. Bhaumik, EM3:June 71:901:8207

Explosives
Blasting Mass-Concrete at Grand Coulee Dam, J. R. Granger, CE:Aug 71:28

Exposure
Effect of Surface Coatings and Exposure on Slip, James H. Lee, Colin O'Connor and John W. Fisher, ST11:Nov 69:2371:6889
TR:136:337

External Friction
Coefficient of Friction of Natural Rock Surfaces, Bartlett W. Paulding, Jr., SM2:Mar 70:385:7121
TR:136:538

Fabrication
Criteria for Heat Curving Steel Beams and Girders, Roger L Brockenbrough, ST10:Oct 70:2209:7638
TR:136:1058
Cylindrical Concrete Hulls under Hydrostatic Loading, Harvey H. Haynes and N. D. Albertsen, Preprint No.1363, Apr 71
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, J. E. Hinkel, Preprint No.1418, Apr 71

Failure
Airfield Pavement Systems, E. Lile Murphee, Jr., Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283
Behavior of Concrete under Compressive Loadings, I. Demir Karsan and James O. Jirsa, ST12:Dec 69:2543:6935
TR:136:390
Behavior of Concrete Under Varying Strain Gradients, I. Demir Karsan and James O. Jirsa, ST8:Aug 70:1675:7484
Behavior of Laterally Reinforced Concrete ColumnF, Edwin G. Burdette and Hubert K. Hilsdorf, ST2:Feb 71:587:7905
Buckling of Soil-Surrounded Tubes, James A. Cheney, EM4:Aug 71:1121:8297
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934
Collapse of Fargo Grain Elevator, Reymond L. Nordlund and Don U. Deere, SM2:Mar 70:585:7172
TR:136:847
Damage to Structures Due to Floor Shocks, Nelson M. Isada, ST2:Feb 71:561:7897
Development of Failure Around Excavated Slopes, Peter Dunlop and James M. Duncan, SM2:Mar 70:471:7162
TR:136:608
Earthquake Research Needs For Nuclear Power Plants, George W. Housner, PO1:Jan 71:77:7818
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TR:136:889
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Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
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Hypothesis for Shear Failure of Brickwork, Bryan Stafford Smith and Clifford Carter, ST4:Apr 71:1055:8029
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Dsc: Asit V. Biswas, CE:June 71:40
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TR:136:547
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TR:136:480
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TR:136:865
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TR:136:804
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TR:136:882
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TR:136:1280
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Ultimate Biaxial Capacity of Boxed Steel Columns, Peter J. Marshall and John S. Ellis, ST9:Sept 70:1873:7515
TR:136:1040
Yield and Failure of Glass-Epoxy Composites, Ori Ishai, Arlo E. Moehlenpah and Aaron Preis, EM5:Oct 70:739:7616
TR:136:1240

Failure (Mechanics)
Fracture Analysis of King's Bridge, Melbourne, Ronald B. Madison and George R. Irwin, ST9:Sept 71:2229:8377

Fasteners
Eccentrically Loaded Bolted Connections, Sherwood F. Crawford and Geoffrey L. Kulak, ST3:Mar 71:765:7956
Theoretical Lateral Resistance of Nailed Joints, Thomas Lee Wilkinson, ST5:May 71:1381:8121

Fast Reactors (Nuclear)
Containment Design Considerations for LMFBRS, Ira Charak, Preprint No.1296, Jan 71

Fatigue (Materials)
Cumulative Damage Theories and Application, J. E. Stallmeyer and William Hamilton Walker, ST12:Dec 68:2739:6290
TR:136:6
Fatigue Damage Factor in Structural Design, Jhy-Pyng Tang and James T.P. Yao, Preprint No.1387, Apr 71
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997
Fatigue Strength of Hybrid Plate Girders, A. Anthony Toprac and Murugesam Natarajan, ST4:Apr 71:1203:8069
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238
Fatigue Tests of Beams with Rectangular Web Holes, Ronald W. Frost and Robert E. Leffler, SM2:Feb 71:509:7913

XUM

Inspection of Steel Bridges For Fatigue Damage, by the Subcommittee on Inspection of Steel Bridges for Fatigue of the Task Committee on Structural Fatigue of the Structural Division, Ivan M. Viest, Chmn., ST8:Aug 71:2107:8321
Recorded Stress Histories in Railroad Bridges, Freeman P. Drew, ST12:Dec 68:2713:6288
TR:136:776

Fatigue Life
Statistical Methods in Structural Fatigue, Paul H. Wirsching and James T. P. Yao, ST6:June 70:1201:7377
TR:136:966

Fatigue Tests
Fatigue Tests of Prestressed Concrete I-Beams, John M. Hanson, Cornie L. Hulsbos and David A. VanHorn, ST11:Nov 70:2443:7705

Federal Government
Article Three and the Department of Justice, William H. Wisely, CE:Sept 71:47
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Fees
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Ferry Boats
Multipurpose Land-water Transfer Facility - The Alaska Ferry Terminal, C. Adrian Arnold, Preprint No.1481, July 71

Fertilizers
Stream Enrichment from Farm Operations, Neal E. Minshall, Stanley S. Witzel and M. Starr Nichols, SA2:Apr 70:513:7238
TR:136:912

Fiberglass Reinforced Plastics
Behavior of Fiber Glass Reinforced Concrete Beams, Edward G. Nawy, Gary E. Neuwerth and Charles J. Phillips, ST9:Sept 71:2203:8353
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Structural Sections from Reinforced Plastics, John E. Johnson, James Harris and Edward Hughes, Preprint No.1381, Apr 71
World's Largest Log-Periodic Antenna, Yen H. Dong, ST9:Sept 71:2371:8400

Fiber Laminates
Failure of Unidirectional Composites In Tension, Ori Ishai, EMj1972:Apr 71:205:8043

Fibers
Failure of Unidirectional Composites In Tension, Ori Ishai, EMj1972:Apr 71:205:8043

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Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391
TR:136:965
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TR:136:90
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TR:136:1209
Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589
Experiments of Wave Reflexion on Impermeable Slopes, Carlos de Campos Moraes, 12CEC:pp.509-521, 1971
Field Observation of Tagus River Suspension Bridge, Jose Marecos, Mario Castanheta and J. Teixeira Trigo, ST4:Apr 69:555:6492
TR:136:675
Flow of Air Through Soils, Geoffrey E. Blight, SM4: Apr 71:607:8026
Horizontal Water Particle Velocity of Finite Amplitude Waves, Yuichi Iwagaki and Tetsuo Sakai, 12CEC:pp.309-325, 1971
Impact Tests on Prototype Transmission Pole Structures, W. Carl Anderson, Preprint No.1527, Oct 71
In-Place Ocean Soil Strength By Accelerometer, Ronald Fraser Scott, SM1:Jan 70:199:7013
TR:136:768
In-Situ Investigation Using SH-Waves, Marcis Kurzeme, SM2:Feb 71:341:7918
In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:881:7273
TR:136:1300
New Distance Measuring Instruments, Raymond W. Tomlinson, SU2:Sept 70:149:7521
TR:136:868
Performance of Two Mat Foundations on Boston Blue Clay, Salvatore V. DeSimone and James P. Gould, Preprint No.1567, Oct 71
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Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
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Statistical Theory in Materials Sampling, Norman J. Cohen, CO1:Mar 71:95:8005
Structural Behavior of Concrete Arch Culvert, Raymond Eugene Davis, ST12:Dec 69:2665:6942
TR:136:430
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TR:136:825
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TR:136:587
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Offshore Mooring Systems, Robert C. H. Russell, BMS:pp.254-255, 1971

Filter Materials
Hydraulically Ventilated Underground Filter, David K. Hills and Ray B. Krone, SA6:Dec 71:851:8596

Filters
Backwashing of Granular Water Filters, Thomas R. Camp, S. David Graber and Gerard T. Conklin, SA6:Dec 71:903:8605
Control of Bacterial Growths in Rapid Sand Filters, John T. O'Connor and Kalyanpur Y. Baliga, SA6: Dec 70:1377:7767
Filtration of Treated Sewage Effluent, George Tchobanoglous and Rolf Eliassen, SA2:Apr 70:243: 7210
TR:136:438
Filtration Through a Trimedia Filter, Alan E. Rimer, SA3:June 68:521:6014
TR:136:25
Hydraulically Ventilated Underground Filter, David K. Hills and Ray B. Krone, SA6:Dec 71:851:8596
Need for Envelope Material Above Draintile, Robert W. Saulmon, TN: IR4:Dec 71:661:8560
Theory of Multilayer Filtration, Shyam S. Mohanka, SA6:Dec 69:1079:6959
TR:136:231
Theory of Sand Filtration, Arun K. Deb, SA3:June 69:399:6593
TR:136:62

Filtration
Backwashing of Granular Water Filters, Thomas R. Camp, S. David Graber and Gerard T. Conklin, SA6:Dec 71:903:8605
Control of Bacterial Growths in Rapid Sand Filters, John T. O'Connor and Kalyanpur Y. Baliga, SA6: Dec 70:1377:7767
Filtration of Chlorella Through Dune-Sand, Yair Folkman and Alberto M. Wachs, SA3:June 70:675: 7332
Filtration of Treated Sewage Effluent, George Tchobanoglous and Rolf Eliassen, SA2:Apr 70:243: 7210
TR:136:438
Filtration Through a Trimedia Filter, Alan E. Rimer, SA3:June 68:521:6014
TR:136:25
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Nonlinear Flow in Porous Media, Nazeer Ahmed and Daniel K. Sunada, HY6:Nov 69:1847:6883
TR:136:818
Tertiary Treatment by Flocculation and Filtration, DeFro Tossey, Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484
Theory of Multilayer Filtration, Shyam S. Mohanka, SA6:Dec 69:1079:6959
TR:136:231
Theory of Sand Filtration, Arun K. Deb, SA3:June 69:399:6593
TR:136:62

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Financial Tools for a Geotechnical Consulting Firm, Roy T. Sheehey, 4PCSM:pp.345-353, 1971

Financing
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Financing Municipal Solid Waste Management Systems, Robert M. Clark and Richard O. Toftner, SA4:Aug 70:885:7449
TR:136:973
Financing Water Quality Control on a National Basis, Morris H. Klegerman, CWFE:Mar 71:131
General Financial Programs for Regional and Large Wastewater Systems, Edwin A. Wells and Jack H. McMinn, CWFE:Mar 71:147
HUD Sewer Policy in Urban Renewal Areas, Francis J. Blesso, Preprint No.1535, Oct 71
Management of Solid Waste-The Utility Concept, Robert M. Clark, Richard O. Toftner and Thomas W. Bendixen, SA1:Feb 71:33:7875
The Other Side of "The Highway Explosion", Carlton D.C. Robinson, CE:Feb 71:47
Dsc: Paul J. Costic, III, CE:July 71:40
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TR:136:852
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TR:136:1218
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A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Transportation Engineering Coordinating Committee, Harold W. Hansen, Chmn., TE3:Aug 69:399:6717
TR:136:659
Views of Port Industry, Roger H. Gilman, WW1:Feb 71:3:7919

Finite Difference Method
Analysis of Large Complex Hydraulic Turbine Components, Edward J. Yanek, Preprint No.1410, Apr 71

Finite Differences
Transport Equation Stability and Estuary Modeling, Fred G. Haag and Keith W. Bedford, HY12:Dec 71:2051:8610

Finite Difference Theory
Analytical Treatment of Two-Phase Infiltration, Richard L. Brustkern and Hubert J. Morel-Seytoux, HY12:Dec 70:2535:7743
TR:136:1316
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Drainage of Soil Profiles, Royal H. Brooks, Corey Benedict, Gilbert L. Corey and Arthur T. Cores, IR3:Sept 71:455:8389
Errors in Step Wise Solutions to Bridge Vibrations, David R. Schelling, ST10:Oct 70:2045:7600
TR:136:1192
Finite-Difference Convection Errors, David A. Bella and William J. Grenney, SA6:Dec 70:1361:7744
Finite-Difference Simulation of Bore Propagation, C. Samuel Martin and Jerome J. Zovne, HY7:July 71: 993:8234
Inelastic Buckling of Axisymmetric Shells, James C. Hayes and Lawrence H.N. Lee, EM6:Dec 70:1107: 7765
Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71: 773:8198
Large Deflections of Curved Plates, Henry W. L. Lee and Conrad P. Heins, Jr., ST4:Apr 71:1143:8045

XUM

New Rectangular Finite Element for Shear Wall Analysis, Iain A. MacLeod, ST3:Mar 69:399:6464 TR:136:48
Nonlinear Flow in Porous Media by Finite Elements, Raymond Edward Volker, HY6:Nov 69:2093:6927 TR:136:336
Numerical Solution of Filtration Equations, Arun K. Deb, SA2:Apr 70:195:7199
Postbuckling Behavior of Open Cylindrical Shells, Kuang-Han Chu and Peter Turula, EM6:Dec 70: 877:7723 TR:136:1298
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Unconfined Aquifer Seepage by Capillary Flow Theory, Rameshwar D. Verma and Wilfried Brutsaert, HY6:June 70:1331:7363 TR:136:738
Unconfined Transient Seepage in Sloping Banks, Chandrakant S. Desai and Walter C. Sherman, Jr., SM2:Feb 71:357:7915

Finite Element Method
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Analysis of Circular Footings on Layered Soils, Chandrakant S. Desai and Lymon C. Reese, SM4: July 70:1289:7408
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Analysis of Simply Supported Thick, Layered Plates, Yau-kai Cheung and Subrata Chakrabarti, TN: EM3:June 71:1039:8160
Conjugate Gradient and Decomposition - Analogy, Moshe R. Rubenstein, TN: ST8:Aug 71:2165:8275
Dynamic Stability of Plates by Finite Elements, Johnny M. Hutt and Ahmed E. Salam, EM3:June 71:879:8211
Earthquake Response of Arch Dams, Umesh Chandra Tahbildar and Hugh Tottenham, ST11: Nov 70:2321:7681
Finite Element Analysis of Thick Shell of Revolution, T. J. Chung and Martin A. Bandy, TN: EM4:Aug 71:1315:8273
Finite Element Method: A Galerkin Approach, Stanley G. Hutton and Donald L. Anderson, EM5: Oct 71:1503:8448
Finite-Element Method for Wood Mechanics, Adam M.A. Al-Dabbagh, James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71
Flexural Vibrations of Rectangular and Other Polygonal Plates, Yau-Kai Cheung and M. S. Cheung, EM2:Apr 71:391:8038
Horizontal Water Particle Velocity of Finite Amplitude Waves, Yuichi Iwagaki and Tetsuo Sakai, 12CEC:pp.309-325, 1971
Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205
Lumped Parameter Beams Based on Impedance Methods, Vernon H. Neubert, Hong T. Hahn and Hae Lee, EM1:Feb 70:69:7099 TR:136:544
Lumped Parameter Beams Based on Impedance Methods, Richard D. Ellison, Elio E. D'Appolonia and Gerald R. Thiers, SM4:Apr 71:661:8052
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Nonlinear Analysis Using Spline Functions, Chandrakant S. Desai, SM10:Oct 71:1461:8462
Numerical Error in Structural Solutions, John R. Roy, ST4:Apr 71:1039:8036
Plane Stress Limit Analysis by Finite Elements, Ted Belytschko and Philip G. Hodge, Jr., EM6:Dec 70: 931:7746
Response of Beams and Plates to Moving Loads, D. M. Yoshida and William Weaver, Jr., Preprint No.1366, Apr 71
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Variational Approach to Non-Darcy Flow, John A. McCorquodale, HY11:Nov 70:2265:7694 TR:136:1292

Finite Elements
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, Mehran Lashkari, Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71
Field Solutions for Turbulent Seepage Flow, Alan K. Parkin, SM1:Jan 71:209:7794
Finite Elements and Dynamic Viscoelasticity, David W. Malone and Jerome J. Connor, EM4:Aug 71: 1145:8293
Partially Cracked Finite Elements, John C. Bell and David G. Elms, TN: ST7:July 71:2041:8226
Theory of Nonlinear Elastic Structures, Graham H. Powell, ST12:Dec 69:2687:6943 TR:136:766
Vibrational Characteristics of Linear Space Frames, William D. Whetstone and Charles E. Jones, ST10: Oct 69:2077:6821 TR:136:297

Finite Groups
Finite State Approach to Vehicle Merging, Daniel E. Whitney, Preprint No.1450, July 71

Fire Control
Controlling Fires in Tall Buildings, Robert F. Legget, CE:Nov 71:63

Fire Damage
Strength of Structural Members Subjected to Fires, Charles G. Culver, Preprint No.1542, Oct 71

Fire Protection
Artic Research Laboratory, William H.G. Van Ness, CE:May 71:69
Dsc: Russell P. Wibbens, CE:Sept 71:93
Response of Wall Panels Subjected to Blast Loading, Bernard L. Gabrielsen, Preprint No.1399, Apr 71
Stability of Water Cooled Columns, Atle Gjelsvik, EM4:Aug 71:1205:8335

Fires
Strength of Structural Members Subjected to Fires, Charles G. Culver, Preprint No.1542, Oct 71

Fire Safety
Controlling Fires in Tall Buildings, Robert F. Legget, CE:Nov 71:63

Fisheries
Cowlitz Salmon Hatchery, Quentin A. Edson and Ray J. Banys, PO1:Jan 71:61:7801

Fishes
Monitors Solve Fish-kill Mystery, Bruce R. Barrett, CE:Jan 71:40

Fishways
Cowlitz Salmon Hatchery, Quentin A. Edson and Ray J. Banys, PO1:Jan 71:61:7801
Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967
Mossyrock Project River-Diversion and Care of Fish, Earl J. Beck, PO1:Jan 71:1:7800
Wells Dam: Powerplant and Spillway Combined, James G. Patrick, Harris H. Burke, Robert T. Loder and Michael W. Erho, CE:Oct 70:61 TR:136:1061
Wells Hydroelectric Project Fish Facilities, Robert T. Loder and Michael W. Erho, PO2:Mar 71:301:7982

Flameproofing
Fire Intensity-Resistance Evaluation, Edward M. Krokosky, ST11:Nov 70:2501:7706 TR:136:1282

Flanging
Elastic Buckling of Beam Flange Plates, Kuang-Han Chu and Albert J. Gouwens, TN: EM4:Aug 71: 1329:8273

Flexibility
Designing Power Lines for Flexible Supports, Jordan Lummis and Robert A. Fiss, Preprint No.1362, Apr 71

Flexibility Methods
Matrix Force Analysis of Thin-Walled Structures, Dusan Krajcinovic, ST1:Jan 70:107:7024
TR:136:537
Parametric Matrices of Some Structural Members, Leon Ru-Liang Wang, ST8:Aug 70:1735:7494
TR:136:1026

Flexible Foundations
Euler Beams on a Two Parameter Foundation Model, Milton E. Harr, John L. Davidson, Da-Min Ho, Luis E. Pombo, S. V. Ramaswamy and John C. Rosner, SM4:July 69:933:6651
TR:136:816

Flexible Pavements
Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, George J. Mim Mack and Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76
Flexible Pavement for Tomorrow's Major Airports, Donald N. Brown, George M. Hammitt, II and Donald M. Ladd, TE4:Nov 69:617:6874
TR:136:223
Implications of Using Layered Theory in Pavement Design, John P. Nielsen, TE4:Nov 70:495:7662
Impulsive Load Stiffness of Flexible Pavements, Nelson M. Isada, SM2:Mar 70:639:7176
TR:136:856
Making Highways Skid-proof, John L. Beaton, CE: Mar 71:42
Systems Analysis Method for Pavement Structures, William Ronald Hudson, Benjamin F. McCullough, Frank H. Scrivner and Gary Carey, ST1:Jan 71:81:7852

Flexural Strength
Flexural Members with Confined Concrete, Dudley Charles Kent and Robert Park, ST7:July 71:1969:8243

Flight Paths
Environmental Aspects of Airport System Planning, John F. Brown, TE4:Nov 70:543:7674
TR:136:1284

Floating
Mixed Liquor Solids Separation by Flotation, Michael C. Mulbarger and Donald D. Huffman, SA4:Aug 70:861:7447
TR:136:983

Floating Bodies
Floating Breakwater for Reservoir Marinas, Kenneth Chen and Robert L. Wiegel, 12CEC:pp.1647-1666, 1971
Offshore Floating Terminals, Eugene H. Harlow, WW3:Aug 71:531:8295

Floats
Integrating-Float Measurements at Low Velocities, Henry Liu and Larry D. Martin, HY1:Jan 70:143:7027
TR:136:423
Integrating-Float Measurements in Turbulent Flows, Henry Liu and Charles D. Morris, HY2:Feb 70:565:7101
TR:136:590

Flocculants
Disinfection of Algal Laden Waters, Wayne F. Echelberger, Jr., Joseph L. Pavoni, Philip C. Singer and Mark W. Tenney, NSCD:pp.563-583, 1971

Flocculating
Agglomerate Size Changes in Coagulation, Robert K. Ham and Russell F. Christman, SA3:June 69:481:6605
TR:136:127
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Turbulence and Flocculation, Yerachmiel Argaman and Warren J. Kaufman, SA2:Apr 70:223:7201
TR:136:354

Flocculation
Physical Behavior of Flocculent Suspensions in Upflow, James C. Brown and Enrique LaMotta, SA2:Apr 71:209:8054
Response of Activated Sludge to Organic Transient Loadings, Carl E. Adams, Jr. and W. Wesley Eckenfelder, Jr, SA2:Apr 70:333:7205
TR:136:1231

Flood Control
Computers in Flood Control Planning, L. Douglas James, HY6:Nov 69:1859:6886
TR:136:290
Design of Columbia River Pile Dikes, Robert O. Dodge, Preprint No.1424, July 71
Effects of Sediment on Water Resource Planning, Wayne A. Stufft, Preprint No.1545, Oct 71
Environmental Health and Community Planning, Joseph A. Salvato, Jr., UP1:Aug 68:23:6084
TR:136:238
Flood Control Release Optimization Using Methods from Calculus, William C. Hughes, HY5:May 71:691:8117
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71
Flood-Plain Development Must be Ecologically and Economically Sound, James E. Goddard, CE:Sept 71:81
Flood Regulation by Columbia Treaty Projects, Mark L. Nelson and David M. Rockwood, HY1:Jan 71:143:7798
Fourth Dimension for Urban Environment, Kenneth E. Sorensen, UP1:Apr 71:91:8064
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Investigation of Brahmaputra River, Abdul Latif, HY5:Sept 69:1687:6793
TR:136:235
Los Angeles County Flood Control System and the Early 1969 Storms, Walter J. Wood, CE:Jan 70:58
TR:136:61
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Power Generation Under IJC Regulation, George T. Berry, PO2:Nov 68:217:6257
TR:136:620
Principles and Procedures in Flood Plain Management, James E. Goddard and John W. Weathers, HY4:July 69:1321:6696
TR:136:108
Pump Storage at Harry S. Truman Dam, Robert G. Burnett and John O. Christensen, Preprint No.1415, Apr 71
Reservoir Operation With Imperfect Flow Forecasts, Samuel O. Russell and William F. Caselton, HY2:Feb 71:323:7931
Role of Economics in Planning Flood Plain Use, L. Douglas James, Preprint No.1552, Oct 71
Role of Irrigation in the West's Expanding Economy, Floyd E. Dominy, IR4:Dec 68:401:6281
TR:136:579
Sediment Deposition in a Former Distributary, W. Harry Doyle, Jr., Preprint No.1300, Jan 71
State Flood-Plain Management Activities, Jack G. Johnson, HY10:Oct 70:2041:7589
TR:136:1166
Surveys and Mapping in Water Resource Development, Kerry F. Pitts, SU1:May 71:69:8088
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XUM

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TR:136:383

Flood Damage
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71

Flood Forecasting
Flood-Plain Development Must be Ecologically and Economically Sound, James E. Goddard, CE:Sept 71:81

Flooding
Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71: 321:8545
Analysis of Infiltration into Draining Porous Media, Frank D. Whisler and Keith K. Watson, IR4:Dec 69:481:6946
TR:136:215
Deterioration and Restoration of Coastal Wetlands, Sherwood M. Gagliano, Hyuck J. Kwon and Johannes L. van Beek, 12CEC:pp.1767-1781, 1971

Flood Plains
Airphoto Interpretation of Flood Plain Soils, Ralph W. Kiefer, SU1:Oct 69:49:6819
TR:136:417
Amortization of Nonconforming Uses in Flood Plains, William R. Walker, UP1:Mar 70:1:7125
TR:136:779
Formation of Flood Plain Lands, Walter C. Carley, HY3:May 69:981:6574
TR:136:73
Role of Economics in Planning Flood Plain Use, L. Douglas James, Preprint No.1552, Oct 71

Flood Plain Zoning
Flood-Plain Development Must be Ecologically and Economically Sound, James E. Goddard, CE:Sept 71:81
State Flood-Plain Management Activities, Jack G. Johnson, HY10:Oct 70:2041:7589
TR:136:1166

Flood Routing
Flood Regulation by Columbia Treaty Projects, Mark L. Nelson and David M. Rockwood, HY1:Jan 71: 143:7798
Implicit Flood Routing in Natural Channels, Michael Amein and Ching S. Fang, HY12:Dec 70:2481: 7773
Real Time Routing of Flood Hydrographs in Storm Sewers, Garth S. Harris, HY6:June 70:1247:7327
Reverse and Direct Reservoir Routing Method Sets Highway Grade, Constantine Voutyras, CE:Oct 69: 56
TR:136:11
Unsteady Free-Surface Flow Computations, E. Benjamin Wylie, HY11:Nov 70:2241:7683
TR:136:1208

Floods
Bridge Backwater in Wide Valleys, Emmett M. Laursen, HY4:Apr 70:1019:7246
TR:136:748
Design Criteria for North Sea Dikes, Johann Kramer, WW4:Nov 71:703:8548
Design Flood Frequency Curves, Stanley S. Butler, TN: HY3:Mar 71:479:7945
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Effect of Upstream Retarding Reservoirs on Peak Flow, Charlie M. Moore, Preprint No.1529, Oct 71
Field Tests of Ice Jam Prevention Techniques, Julius H. Moor and Carl H. Watson, HY6:June 71:777: 8179
Flood Control Release Optimization Using Methods from Calculus, William C. Hughes, HY5:May 71: 691:8117
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71
Flood Flow Downstream from Slide, Harold P. Guy, TN: HY4:Apr 71:643:8018
Flood Frequency Estimating Techniques for Small Watersheds, George Fleming and Delbert D. Franz, HY9:Sept 71:1441:8383
Flood Peaks from Small Southwest Range Watershed, Kenneth G. Renard, John C. Drissel and Herbert B. Osborn, HY3:Mar 70:773:7161
TR:136:1047
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Initial Loss for Flood Estimation and Forecasting, Ian Cordery, HY12:Dec 70:2447:7737
Let It Erode - to a Point, Clifford C. Hood, Preprint No.1348, Jan 71
Mekong Delta Mathematical Model Program Construction, Dino Zanobetti, Henri Lorgere, Alexandre Preissmann and Jean Andre Cunge, WW2:May 70:181:7259
TR:136:1171
Optical Current Meter Use in Southern California, Thomas S. Chandler and Winchell Smith, HY9:Sept 71:1461:8390
Peak Flood Discharge Confidence Limits, Richard M. Shane and Walter R. Lynn, HY1:Jan 69:161: 6329
TR:136:641
Principles and Procedures in Flood Plain Management, James E. Goddard and John W. Weathers, HY4:July 69:1321:6696
TR:136:108
Real Time Routing of Flood Hydrographs in Storm Sewers, Garth S. Harris, HY6:June 70:1247:7327
Reevaluation and Reconstruction of California Dams, Clifford J. Cortright, PO1:Jan 70:55:7008
TR:136:368
Runoff Forecasting By Variable Transformation, Mikio Hino, HY4:Apr 70:871:7203
TR:136:676
State Flood-Plain Management Activities, Jack G. Johnson, HY10:Oct 70:2041:7589
TR:136:1166
Surveys and Mapping in Water Resource Development, Kerry F. Pitts, SU1:May 71:69:8088
Urban Water Management Needs in Runoff and Flood Regulation, James R. Wallace, UWRM: pp.32-35, 1971
Variation in Lag Time for Natural Catchments, Arthur J. Askew, HY2:Feb 70:317:7051
TR:136:473

Floors
Cellular Steel Floors Mature, Eugene E. Dallaire, CE:July 71:70
Composite Beam Incorporating Cellular Steel Decking, Hugh Robinson, ST3:Mar 69:355:6447
TR:136:823
Damage to Structures Due to Floor Shocks, Nelson M. Isada, ST2:Feb 71:561:7897
Lift Dock Combines Drydock and Transfer Platform, Amirikian Arsham, CE:July 71:37
Wear Resistant Industrial Floors of Portland-Cement Concrete, R. F. Ytterberg, CE:Jan 71:68

Florida
South Florida Training Runway and Everglades National Park, H. C. Lamberton, Jr., CE:Apr 70:53
TR:136:350
Tampa International Airport: Model for the Jumbo-Jet Age, George S. Jenkins, CE:Oct 71:68
Walt Disney World Monorail, Robert F. Mast and Charles W. Dolan, Preprint No.1510, July 71

Flotation
Floating Foundations for Control of Settlement, David J. D'Appolonia and T. William Lambe, SM6: June 71:899:8215

Flow
Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685

Flow Augmentation
Valuation of Flow Augmentation Releases, Buford J. Carter, Jr., James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203

Flow Control
Water Hammer Analysis, Victor L. Streeter, HY6: Nov 69:1959:6899
TR:136:281

Flow Measurement
Characteristics of Flow Weirs of Finite Crest Width, Singamsetti Surya Rao and Manoj Kumar Shukla, HY11:Nov 71:1807:8515
Free Overfall As Flow Measuring Device, Sebastian W. Bauer and Walter H. Graf, IR1:Mar 71:73:7987
Integrating-Float Measurements in Turbulent Flows, Henry Liu and Charles D. Morris, HY2:Feb 70: 565:7101
TR:136:590
The Measurement of Tidal Water Transport in Channels, R. E. Klein, 12CEC:pp.1887-1901, 1971
Radioisotopes and Turbine Flow Measurements, J. C. Schuster and R. L. Hansen, Preprint No.1294, Jan 71
Triangular Broad-Crested Weir, Clifford D. Smith and Wen S. Liang, IR4:Dec 69:493:6954
TR:136:668
Water Current Meter for Mean Flow Measurements, David Smith, 12 CEC:pp.1903-1915, 1971

Flowmeters
Free Overfall As Flow Measuring Device, Sebastian W. Bauer and Walter H. Graf, IR1:Mar 71:73:7987
Rotary Flow Meter as Turbulence Transducer, Erich J. Plate and James P. Bennett, EM6:Dec 69:1307: 6955
TR:136:364
Water Current Meter for Mean Flow Measurements, David Smith, 12 CEC:pp.1903-1915, 1971

Flow Nets
Approximate Solution to Flow Problems Under Dams, Demetrious G. Christoulas, SM11:Nov 71: 1573:8528
Effectiveness of Cutoffs in Earth Foundations and Abutments of Dams, Raul J. Marsal and Daniel Resendiz, 4PCSM:pp.237-312, 1971

Flow Profiles
Effect of Channel Shape on Varied Flow Profiles, Nagar S. Lakshmana Rao and Kalambur Sridharan, HY1:Jan 71:55:7796
Numerical Method of Computing Flow Profiles, Ramanand Prasad, HY1:Jan 70:75:7005
TR:136:546
Water Surface Configuration in Channel Bends, Chin-lien Yen and Ben Chie Yen, HY2:Feb 71:303:7928

Flow Rate
Exact Flow Rates from Dupuit's Approximation, W. Bruce Hunt, HY3:Mar 70:633:7140
TR:136:613

Flow Resistance
Dynamic Equations for Steady Spatially Varied Flow, Ben Chie Yen and Harry G. Wenzel, Jr., HY3:Mar 70:801:7179
TR:136:1053
Flow Retardance in Vegetated Channel , Nicholas Kouwen, Tharakkal E. Unny, Jr. and Harry M. Hill, IR2:June 69:329:6633
TR:136:77
Junction Losses in Laminar and Transitional Flows, Donald K. Jamison and James R. Villemonte, HY7: July 71:1045:8258

Flow Separation
Open Channel Expansions Fitted with Local Hump, Amruthur S. Ramamurthy, Sanjay Basak and Pattabhi Rama Rao, HY5:May 70:1105:7257
TR:136:1088

Flow Visualization
Flow Visualization in Turbulent Boundary Layers, Joseph A. Clark and Eric Markland, HY10:Oct 71: 1653:8459

Fluctuation
Lake Michigan-Huron Stage-Frequency and Trend, R. Robinson Rowe, WW3:Aug 69:261:6716
TR:136:171

Fluid Flow
Analytically Determined Bed-form Shape, Albert G. Mercer, TN: EM1:Feb 71:175:7858
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Behavior Of Porous Bed Near Flow Singularity, C. Samuel Martin, SM2:Feb 71:393:7935
Boundary Shear Stress in Rivers and Estuaries, Ronald E. Nece and Dungan J. Smith, WW2:May 70:335:7280
TR:136:871
Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70: 2089:7634
TR:136:1271
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Density Induced Return-Currents in Outlet Channels, Ben P. Rigter, HY2:Feb 70:529:7086
TR:136:583
Distribution of Tractive Force in Open Channels, Viswanathan C. Kartha and Hans J. Leutheusser, HY7:July 70:1469:7415
Dynamic Stability of Tube Conveying Fluid, Shoei-sheng Chen, EM5:Oct 71:1469:8420
Effect Of Side Walls On Flow Past Bluff Bodies, Thomas L. Shaw, HY1:Jan 71:65:7788
Experiments on Plane Couette Flow, Hans J. Leutheusser and Vincent H. Chu, HY9:Sept 71: 1269:8367
Finite-Element Analysis of Seepage in Elastic Media, Ranbir S. Sandhu and Edward L. Wilson, EM3: June 69:641:6615
TR:136:770
Flow Analysis of Large Triangular Weir, Donn G. DeCoursey and Bruce J. Blanchard, HY7:July 70: 1435:7405
Flow in Conduits with Low Roughness Concentration, John A. Roberson and C. K. Chen, HY4:Apr 70:941:7224
TR:136:1066
Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Formulas for Convective Motion of Fluids, Gee Tsang, TN: EM1:Feb 71:155:7858
Formulation of Mathematical Watershed-Flow Model, Cheng-lung Chen and Ven Te Chow, EM3: June 71:809:8199
Gravity-Affected Flow from Planar Sluice Gatel, Bruce E. Larock, HY4:July 69:1211:6674
TR:136:162
Inadequacies of Piston Theory in Fluid-Shell Interactions, Jerome M. Klosner, EM2:Apr 70:143: 7237
TR:136:1199
Initial Instability of Fine Bed Sand, Anthony J. Grass, HY3:Mar 70:619:7139
TR:136:1219
Limitations on the Measurement of Turbulence Using a Laser Doppler Velocimeter, W. K. George and J. L. Lumley, Preprint No.1345, Jan 71
Linear-Momentum Flux to Overbank Sections, Robert R. Wright and Marion R. Carstens, HY9: Sept 70:1781:7517
A Man of Hydraulics: Henri de Pitot (1695-1771), Rene Chevray, HY4:July 69:1129:6650
TR:136:803

XUM

A Model for Turbulent Transfer in the Wall Region, Lindon C. Thomas and Liang T. Fan, TN: EM1: Feb 71:169:7858
Movement of Sand in Tunnels, Dagfinn K. Lysne, HY6:Nov 69:1835:6880
TR:136:263
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Nondimensional Gradually Varied Flow Profiles, Cheng-lung Chen and Chun-Tsung Wang, HY5: Sept 69:1671:6790
TR:136:228
Nonlinear Flow in Porous Media, Nazeer Ahmed and Daniel K. Sunada, HY6:Nov 69:1847:6883
TR:136:818
Observation of Sedimentmotion by Underwater-Television, Gunter Luck, 12CEC:pp.687-708, 1971
Onset of Instability Of Power-Law Fluid in Couette Flow, Yun-Sheng Yu and Dan B. McVickar, EM1: Feb 71:1:7887
Parameters for Bed Slip Point in Two-Phase Flow, Kenneth C. Wilson, HY10:Oct 71:1665:8426
Particle Velocity Measurements with a Laser Device, C. A. Greated and Norman B. Webber, 12CEC: pp.1951-1957, 1971
Scope of Experimental and Practical Conditions for Flow in Mobile Bed Channels, Richard H. Cooper, Allan W. Peterson and Thomas Blench, Preprint No.1335, Jan 71
Sediment Dispersion in Flow with Moving Boundaries, Cheng-lung Chen, HY8:Aug 71:1181: 8287
Sill-Controlled Flow Transitions and Extent of Erosion, Walter Rand, HY4:Apr 70:927:7212
TR:136:722
Some Sand Transport Phenomena on Coasts with Bars, M. Dyhr-Nielsen and Torben Sorensen, 12CEC:pp.855-865, 1971
Stochastic Model of Turbulent Channel Flow, Jay C. Hardin and Arnold L. Sweet, EM2:Apr 71:375: 8056
Surface Disturbance from Submerged Jet, Norbert L. Ackermann, Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236
Surface Irrigation Using the Kinematic-Wave MethoS, Cheng-lung Chen, IR1:Mar 70:39:7134
TR:136:813
Transients in Pipelines Carrying Liquids or Gases, Victor L. Streeter, TE2:Feb 71:15:7884
Triangular Framework Model for Plate Bending, Eero-Matti Salonen, TN: EM1:Feb 71:149:7858
Turbulence Structure in Plane Couette Flow, James M. Robertson and Henry F. Johnson, EM6:Dec 70: 1171:7754
Unified Analysis of Grid Turbulence, Eduard Naudascher and Cesar Farell, EM2:Apr 70:121: 7214
TR:136:570
Variational Principle in Fluid Dynamics, Pierre F. Lemieux, Tharakkal E. Unny, Jr. and R. N. Dubey, EM6:Dec 70:1031:7731
TR:136:1252
Variational Principles for Flow in Porous Media, Shlomo P. Neuman and Paul A. Witherspoon, EM2:Apr 71:359:8023
Vibration Of Pipe Carrying Flowing Fluid, P. Srinivasan and V. Lakshminarayanan, TE2:May 70: 165:7265
TR:136:460
136, Michael C. Quick, HY7:July 70:1403:7399

Fluid Friction

Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685
Ripple Concentration and Friction Factor, Fred F.M. Chang, HY2:Feb 70:417:7067
TR:136:489
Slip Points of Beds in Solid-Liquid Pipeline Flow, Kenneth C. Wilson, HY1:Jan 70:1:6992
TR:136:347

Fluidized Bed Processing

Backwashing of Granular Water Filters, Thomas R. Camp, S. David Graber and Gerard T. Conklin, SA6:Dec 71:903:8605

Flumes

Calibration of Walnut Gulch Supercritical Flumes, Wendell R. Gwinn, HY8:Aug 70:1681:7479
Coordination of Mobile-Bed Hydraulics, Thomas Bunch, HY6:Nov 69:1871:6884
TR:136:837
Direct Measurement of Shear Stress in a Flume, Sylvester Petryk and Hsieh W. Shen, TN: HY6: June 71:883:8161
Effect of Flume Width on Bed-Form Characteristics, Maurice J. Crickmore, HY2:Feb 70:473:7077
TR:136:498

Flushing

Flushing Pattern of Non-reactive Effluents, Adel M. Kamel, 12CEC:pp.1867-1885, 1971
Natural Flushing Ability in Tidal Inlets, I. B. Mota Oliveira, 12CEC:pp.1827-1845, 1971

Flutter

Airfoil and Bridge Deck Flutter Derivatives, Robert H. Scanlan and John J. Tomko, EM6:Dec 71:1717: 8609
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71

Fly Ash

Engineering Properties of Compacted Fly Ash, Donald H. Gray and Yen-Kuang Lin, Preprint No.1311, Jan 71
Environmentally Attractive Methods to Store or Use Fly Ash, David E. Kleiner, Preprint No.1555, Oct 71
Environmental Protection-TVA Experience, Francis E. Gartrell and James C. Barber, SA6:Dec 70:1321: 7761
Field Tests of Ice Jam Prevention Techniques, Julius H. Moor and Carl H. Watson, HY6:June 71:777: 8179
Properties of Compacted Sewage Ash, Donald H. Gray, SM2:Mar 70:439:7149
TR:136:587
Solidification of Sludges with Portland Cement, E. Alan Cassell and Thomas W. Walker, SA1:Feb 70: 15:7053
TR:136:411

Folded Plates

Analysis of Curved Folded Plate Structures, Christian Meyer and Alexander C. Scordelis, ST10:Oct 71: 2459:8434
Analysis of Three Dimensional Thin-Walled Structures, Bharat L. Mehrotra, Aftab A. Mufti and Richard G. Redwood, ST12:Dec 69:2863:6968
TR:136:465
Analytical and Model Studies of Continuous Folded Plates, John E. Goldberg, Martin J. Gutzwiller and Robert H. Lee, EM5:Oct 68:1127:6181
TR:136:754
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Buckling of Simply Supported Folded Plates, Michel L. Mikhail and Sidney A. Guralnick, EM5:Oct 71: 1363:8414
Experiments with Folded Plate Models, S. E. Swartz and V. H. Rosebraugh, Preprint No.1354, Apr 71
Folded Plate and Shell Ultimate Strength Concept, George C. Ernst and Arvin R. Riveland, Preprint No.1365, Apr 71
Folded Plate Structures by Finite Strip Method, Yaukai Cheung, ST12:Dec 69:2963:6985
TR:136:760
Maximum Safe Loading of Folded Plate Structures, Morris N. Fialkow, Preprint No.1380, Apr 71

Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, Dong W. Lee and John E. Breen, Preprint No.1411, Apr 71
Stiffness Matrix for Sandwich Folded Plates, G. M. Folie, ST2:Feb 71:603:7925
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71

Footings
Analysis of Footing Subjected to Biaxial Bendine, German Gurfinkel, ST6:June 70:1049:7329
Analysis of Load-Bearing Fills over Soft Subsoils, James K. Mitchell and William S. Gardner, SM11: Nov 71:1549:8522
Bearing Capacity of Footings on Anisotropic Soils, Annapareddy Siva Reddy and Ramanathan J. Srinivasan, SM6:Nov 70:1967:7677
Calculated and Observed Vibration Amplitudes, Peter J. Moore, SM1:Jan 71:141:7789
Designing Computer Programs for Bridge Foundations, E. F. Roberts and M. Lohrmann, CE: Dec 71:64
Dynamic Strip Load On Elastic-Plastic Soil, Kaare Hoeg and H. A. Balakrishna Rao, SM2:Mar 70:429: 7138
TR:136:560
EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851
Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69: 859:6719
TR:136:192
Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Prediction of Footing Vibrations, Milos Novak, SM3: May 70:837:7268
TR:136:923
Sliding-Rocking Vibration Of Body On Elastic Medium, Robert T. Ratay, SM1:Jan 71:177:7849
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Vibration of Noncircular Foundations, Yong S. Chae, SM6:Nov 69:1411:6918
TR:136:335

Force
Force Method in Structural Dynamics, Ziad M. Elias, Preprint No.1374, Apr 71
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Optimum Elastic Design of Redundant Trusses, David Johnson and Derick M. Brotton, ST12:Dec 69:2589:6938
TR:136:399
Saint Louis Bay Bridge, Richard E. Whitaker, CO2: Oct 70:149:7588
TR:136:1111

Forecasting
Alternative Paths to Guideway Transportation, William F. Hamilton, UTI:pp.385-403, 1971
Analysis of the Need for Goods Movement Forecasts, Davit Fresko, Gordon Shunk and Franklin Spielberg, Preprint No.1490, July 71
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, Preprint No.1333, Jan 71
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, SA4:Aug 71:479:8329
Combined Sewers and Stormwater Drainage - Today and 2050 AD, Carmen F. Guarino and Joseph V. Radziul, CWFE:Mar 71:349
Current Perspectives in Disinfection, Bernard B. Berger, NSCD:pp.1-10, 1971
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Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589
Forecasting Water Demands and Systems Capabilities, Wyndham J. Roberts, Sandor C. Csallany and Neil G. Towery, SA6:Dec 70:1349: 7745
Framework Plan for Ohio Basin Navigation to 2020, Theodore A. Kent, WW3:Aug 70:665:7473
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505
Initial Loss for Flood Estimation and Forecasting, Ian Cordery, HY12:Dec 70:2447:7737
Introduction to Section III: Analyzing Innovative Transportation Alternatives, Daniel Brand, UTI: pp.185-186, 1971
Introduction to Section IV: Transportation Innovation -- Directions and Strategy, Charles Baker, Chmn., UTI:pp.325-326, 1971
Issues in Statewide Transportation Planning, Joseph S. Drake and Lester A. Hoel, TE3:Aug 70:379:7480
TR:136:1072
Management and Regulations for the Future, Harvey F. Ludwig, CWFE:Mar 71:111
Measuring and Interpreting Consumer Preferences, Siegfried M. Breuning, UTI:pp.307-323, 1971
Predicting Urban Transportation Controversy, Frank C. Colcord, Jr., Preprint No.1477, July 71
Probability Distributions for Hurricane Effects, Larry R. Russell, WW1:Feb 71:139:7886
A Profile of the Future Construction System, Joseph C. Kellogg, CO1:Mar 71:147:7938
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459
TR:136:1032
Research and Development Needs for Advanced Waste Treatment Process to Serve Future Needs, F. M. Middleton and R. L. Stenburg, CWFE:Mar 71:189
Reservoir Operation With Imperfect Flow Forecasts, Samuel O. Russell and William F. Caselton, HY2: Feb 71:323:7931
Runoff Forecasting By Variable Transformation, Mikio Hino, HY4:Apr 70:871:7203
TR:136:676
Runoff Forecasts by Linear Predictive Filter, Mikio Hino, HY3:Mar 70:681:7146
TR:136:655
Sensitivity Analysis of Wind Generated Wave Predictions, Charles D. D. Howard, WW2:May 71: 365:8153
Statewide Management -- What Does the Future Hold?, Frank A. Butrico and James B. Coulter, CWFE:Mar 71:93
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298
Systematically Analyzing Transportation Alternatives, Marvin L. Manheim and Earl R. Ruiter, UTI: pp.207-241, 1971
Technological Forecasting and Morphological Analysis, S. R. Fields, Preprint No.1475, July 71
Wave Forecasting for the West Coast of India, Jade Dattatri and P. S. Renukaradhya, WW3:Aug 71: 505:8303
West Virginia Commercial Air Trip Generations, Dennis C. Judycki, Frederick J. Wegmann and Everett C. Carter, TE2:May 70:185:7281
TR:136:492

Foreign Engineering
Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579
Community Service and Urban Problems: Can Civil Engineers Make a Contribution?, Maynard Charles Nugent, CE:Jan 70:53
TR:136:54
Competitive Bidding on Foreign Work, E. Montford Fucik, PP1:Oct 71:121:8456
Foreign Service, E. C. Kobs, PP1:July 69:79:6703
TR:136:815
Reinforced Earth Steel Retaining Walls Used on High Steep Side Slopes in France, Henri Vidal, CE: Feb 70:72
TR:136:198
Upgrading Overseas Construction Contracts, Gordon L. Williams, CE:Dec 70:51
TR:136:1224

Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, Dong W. Lee and John E. Breen, Preprint No.1411, Apr 71
Stiffness Matrix for Sandwich Folded Plates, G. M. Folie, ST2:Feb 71:603:7925
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71

Footings
Analysis of Footing Subjected to Biaxial Bendine, German Gurfinkel, ST6:June 70:1049:7329
Analysis of Load-Bearing Fills over Soft Subsoils, James K. Mitchell and William S. Gardner, SM11: Nov 71:1549:8522
Bearing Capacity of Footings on Anisotropic Soils, Annapareddy Siva Reddy and Ramanathan J. Srinivasan, SM6:Nov 70:1967:7677
Calculated and Observed Vibration Amplitudes, Peter J. Moore, SM1:Jan 71:141:7789
Designing Computer Programs for Bridge Foundations, E. F. Roberts and M. Lohrmann, CE: Dec 71:64
Dynamic Strip Load On Elastic-Plastic Soil, Kaare Hoeg and H. A. Balakrishna Rao, SM2:Mar 70:429: 7138
TR:136:560
EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851
Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69: 859:6719
TR:136:192
Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Prediction of Footing Vibrations, Milos Novak, SM3: May 70:837:7268
TR:136:923
Sliding-Rocking Vibration Of Body On Elastic Medium, Robert T. Ratay, SM1:Jan 71:177:7849
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Vibration of Noncircular Foundations, Yong S. Chae, SM6:Nov 69:1411:6918
TR:136:335

Force
Force Method in Structural Dynamics, Ziad M. Elias, Preprint No.1374, Apr 71
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Optimum Elastic Design of Redundant Trusses, David Johnson and Derick M. Brotton, ST12:Dec 69:2589:6938
TR:136:399
Saint Louis Bay Bridge, Richard E. Whitaker, CO2: Oct 70:149:7588
TR:136:1111

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TR:136:676
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TR:136:492

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TR:136:54
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TR:136:815
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TR:136:198
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TR:136:1224

XUM

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TR:136:899
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Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Lateral Load Tests on Piles-Arkansas River Project, M. Alizadeh and Melvin T. Davisson, SM5:Sept 70:1583:7510
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Dsc: Halvard W. Birkeland, CE:July 70:57
TR:136:342
Lumped Parameter Beams Based on Impedance Methods, Richard D. Ellison, Elio E. D'Appolonia and Gerald R. Thiers, SM4:Apr 71:661:8052
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TR:136:305
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TR:136:640
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TR:136:734
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TR:136:152
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TR:136:525
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TR:136:550
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TR:136:691
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TR:136:458
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TR:136:113
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TR:136:123
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TR:136:890
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TR:136:491
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TR:136:827
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TR:136:825
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TR:136:295
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TR:136:302
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Point Pleasant Bridge Collapse-Conclusions of the Federal Study, Charles F. Scheffey, CE:July 71:41

Fracturing
Fracture Mechanism in Concrete: How Much do We Know?, Sandor Popovics, EM3:June 69:531:6604
TR:136:118

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Design and Analysis of Frames for Stability, Harold Switzky and Ping Chun Wang, ST4:Apr 69:695:6522
TR:136:709
Dynamic Analysis of Inelastic Space Frames, Robert K. Wen and Fereydoon Farhoomand, EM5:Oct 70:667:7621
TR:136:1113
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Dsc: Clarence J. Derrick, CE:Dec 71:71
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Simply Supported Rectangular Double-Layered Grids, M. J.L. Hussey, A. I. Tarza and W. F.D. Theron, ST3:Mar 71:753:7954
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TR:136:730

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TR:136:980
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TR:136:1065
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TR:136:1232
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Elastic-Plastic Analysis of Frameworks, Glenn A. Morris and Steven J. Fenves, ST5:May 70:931:7293
TR:136:898
Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70:573:7159
TR:136:834
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Laminated Timber Used in High-Rise Mill Building, L. Elvin Gower, CE:Dec 71:40
Limit Analysis of Structures, Dusan Krajcinovic, ST9:Sept 69:1901:6778
TR:136:229
Maximum Strength Elastic Structural Design, J. E. Taylor, EM3:June 69:653:6617
TR:136:1086
Parametric Matrices of Some Structural Members, Leon Ru-Liang Wang, ST8:Aug 70:1735:7494
TR:136:1026
Plastic Analysis of Transversely Loaded Frames, Neil Jackson, ST8:Aug 71:2047:8284
Plastic Design of Multistory Frames by Computer, George C. Driscoll, James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
TR:136:509
Plastic Design of Multistory Steel Frames by Computer, Leroy Z. Emkin and William A. Litle, ST1:Nov 70:2373:7689
Reliability Analysis of Frame Structures, John D. Stevenson and Fred Moses, ST11:Nov 70:2409:7692
Response of Rate-Sensitive Frames to Impulsive Loads, Nicholas Perrone, EM1:Feb 71:49:7890
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Structure And Foundation Interaction Theory, Ian K. Lee and Howard B. Harrison, ST2:Feb 70:177:7059
TR:136:827
Tangent Stiffness Matrix for Space Frame Members, Semih S. Tezcan and Bijay C. Mahapatra, ST6:June 69:1257:6627
TR:136:730
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108
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TR:136:1306
Vibrational Characteristics of Linear Space Frames, William D. Whetstone and Charles E. Jones, ST10:Oct 69:2077:6821
TR:136:297
Vibrations of Timoshenko Beams and Frameworks, Franklin Y. Cheng, ST3:Mar 70:551:7155
TR:136:866

Framing
Potrero Hill Slide and Correction, Travis Smith and Raymond Forsyth, SM3:Mar 71:541:8004

Free Surfaces
Computer Analysis of Free Surface Well Flow, Willem F. Brutsaert, E. Allen Breitenbach and Daniel K. Sunada, IR3:Sept 71:405:8376

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Free Surfaces (Crystallography)
Field Solutions for Turbulent Seepage Flow, Alan K. Parkin, SM1:Jan 71:209:7794
Variational Principles for Flow in Porous Media, Shlomo P. Neuman and Paul A. Witherspoon, EM2:Apr 71:359:8023

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Dsc: Carl Zweben, CE:Sept 71:54
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Dsc: Kenneth M. Turner, CE:Feb 71:55 TR:136:1149
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Use of Air Space Over Freeway Systems, Lyall A. Pardee, UP1:Apr 69:61:6519 TR:136:788

Freezing Index
Estimation of Climatic Parameters for Frost Depth Prediction, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:605:6872 TR:136:190

Freight Cars
ACI --A Tool for Simulation and Process Control, Richard C. Schoppert, Preprint No.1433, July 71
Highway Advantages from Advanced Truck-rail Technology, Robert T. Adams, Preprint No.1497, July 71
Restructuring Freight Transportation in Chicago, James Robert Blaze, Preprint No.1441, July 71

Freight Terminals
Multipurpose Land-water Transfer Facility - The Alaska Ferry Terminal, C. Adrian Arnold, Preprint No.1481, July 71
Operational Planning of Airport Facilities, James J. Browne, Rogers Lui and Ravinder Nanda, Preprint No.1495, July 71

Frequencies
Frequencies of Beams with Elastic Warping Restraint, Paul Christiano and Larry Salmela, TN: ST6:June 71:1835:8164
Fundamental Frequencies of Axially Moving Beams, Chien-Yung Wei and John Peddieson, Jr., TN: EM4:Aug 71:1343:8273
Nonsymmetric Modes of Complete Spherical Shells, John F. Gormley and William C. L. Hu, EM3:June 69:545:6606 TR:136:632
Plotting Positions for Hydrologic Frequencies, John R. Stipp and George K. Young, Jr., TN: HY1:Jan 71:219:7824
Resonance in Pressurized Piping Systems, Mohammad Hanif Chaudhry, HY9:Sept 70:1819:7525
Vibrations of Timoshenko Beams and Frameworks, Franklin Y. Cheng, ST3:Mar 70:551:7155 TR:136:866

Frequency
Design Flood Frequency Curves, Stanley S. Butler, TN: HY3:Mar 71:479:7945
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Frequency Analysis Of Thin-Walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, EM2:Apr 71:239:8028
Lake Michigan-Huron Stage-Frequency and Trend, R. Robinson Rowe, WW3:Aug 69:261:6716 TR:136:171

Frequency Analysis
Frequency Analysis of Rainfall Intensities for Calcutta, V. Raman and M. Bandyopadhya, SA6: Dec 69:1013:6950 TR:136:805
Frequency Analysis of Thin-walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, Preprint No.1358, Apr 71
Within Storm Precipitation-Frequency Values, John F. Miller, Preprint No.1316, Jan 71

Frequency Distribution
Space-Time Transformation of Live Load Data, Alex C. Heaney, Preprint No.1396, Apr 71

Friction
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Behavior of Single Mineral Soils in Triaxial Shear, Robert M. Koerner, SM4:July 70:1373:7432 TR:136:1323
Bolted Connections with Varied Hole Diameters, Zaher Shoukry and William Thomas Haisch, ST6: June 70:1105:7349 TR:136:954
Effect of Particle Characteristics on Soil Strength, Robert M. Koerner, SM4:July 70:1221:7393 TR:136:1317
Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685
Experimental Investigation of Form of Bed-Roughness, Sat Dev Khanna, HY10:Oct 70:2029:7623
Friction Factors and Bed Forms in Fluvial Channels, David Squarer, HY4:Apr 70:995:7245 TR:136:726
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9: Sept 71:1367:8373
Parameters for Bed Slip Point in Two-Phase Flow, Kenneth C. Wilson, HY10:Oct 71:1665:8426
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Friction Coefficient (Mechanical)
Review of Shearing Strength of Rockfill, Thomas M. Leps, SM4:July 70:1159:7394

Friction Factor
Resistance Studies on Smooth Open Channels, V. V. Jayaraman, HY5:May 70:1129:7266

Friction Tests
Pullout Resistance of Anchors Buried in Sand, Kent A. Healy, TN: SM11:Nov 71:1615:8511

Fringe Benefits
Engineer Firms Face Unionization, Larry N. Spiller, CE:Apr 71:49
Dsc: Richard Schindler, CE:Aug 71:38
Foreign Service, E. C. Kobs, PP1:July 69:79:6703 TR:136:815
Guide for Public Agency Professional Development, Marble J. Hensley, PP1:Sept 70:55:7553

Frost Action
Estimation of Climatic Parameters for Frost Depth Prediction, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:605:6872 TR:136:190

Frozen Soils
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XUM

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TR:136:970

Fuels
St. Louis Power Plant to Burn City Refuse, F. E. Wisely, G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59

Functional Analysis
Finite Element Method: A Galerkin Approach, Stanley G. Hutton and Donald L. Anderson, EM5: Oct 71:1503:8448
Finite Element Method: A Galerkin Approach, Stanley G. Hutton and Donald L. Anderson, EM5: Oct 71:1503:8448

Functions (Mathematics)
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, SU2:Nov 71:287:8538
Effect of Surface Coatings and Exposure on Slip, James H. Lee, Colin O'Connor and John W. Fisher, ST11:Nov 69:2371:6889
TR:136:337
Linearizing Weight Factors For Least-Squares Fitting, Llewellyn E. Jones, HY5:May 71:665:8089
Nonlinear Analysis Using Spline Functions, Chandrakant S. Desai, SM10:Oct 71:1461:8462

Furrow Irrigation
Automatic Cutback Furrow Irrigation System Design, Ion Nicolaescu and E. Gordon Kruse, IR3:Sept 71: 343:8358
Optimal Design of Furrow Length of Surface Irrigation, I-pai Wu and Tung Liang, IR3:Sept 70: 319:7543

Furrow Systems
Automatic Cutback Furrow Irrigation System Design, Ion Nicolaescu and E. Gordon Kruse, IR3:Sept 71: 343:8358

Future Planning (Projected)
ASCE's New President Outlines a Suggested Course, Oscar S. Bray, CE:Dec 71:38
Goals of the Conference, William J. Hedley, ABS: pp.v-vii, 1971
New Approaches to Urban Transportation Needs, Jack Kinstlinger, NA:Mar 71:197

Galvanized Materials
Bolted Joints Under Sustained Loading, Verl Lobb and Floyd Stoller, ST3:Mar 71:905:7996

Garages
Decentralized Solid Waste Collection Facilities, Robert M. Clark and Billy P. Helms, SA5:Oct 70: 1035:7594

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Surge Tank Stability By Phase Plane Method, Mohammad Hanif Chaudhry and Eugen Ruus, HY4:Apr 71:489:8044

Gates
Mechanical Structures for Farm Irrigation, Allan S. Humpherys, IR4:Dec 69:463:6944
TR:136:102

Gate Valves
Design of Boundary Arch Dam, Jaroslav Pospisil and Michael D. Hayes, PO1:Jan 70:73:7012
TR:136:842

Gelation
Selection of Chemical Grout for Mattmark Dam, Herbert H. Einstein and Gerold Schnitter, SM6: Nov 70:2007:7684
TR:136:1212

Generators
Mississippi Valley Mapping, Leslie B. Robison, SU1: May 71:103:8102
Wells Dam: Powerplant and Spillway Combined, James G. Patrick, Harris H. Burke, Robert T. Loder and Michael W. Erho, CE:Oct 70:61
TR:136:1061

Geodesy
Geodetic Computations by Electronic Computer, Gerald F. Clohecy, SU1:May 71:97:8105
Laser Multilateration, Theodore H. Wirtanen, SU1: Oct 69:81:6843
TR:136:529

Geodetic Surveys
High Precision Levels with Automatic Instruments, Elmer F. Kulp, SU2:Sept 70:121:7514
TR:136:812
Laser Multilateration, Theodore H. Wirtanen, SU1: Oct 69:81:6843
TR:136:529
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TR:136:97
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TR:136:727
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TR:136:787
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TR:136:252
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TR:136:231
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TR:136:1278
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TR:136:198
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TR:136:988
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TR:136:576
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TR:136:292
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TR:136:1189
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TR:136:706
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TR:136:1238
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TR:136:1216
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TR:136:641
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TR:136:788
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Dsc: Thomas C. Coleman, CE:July 71:56

Highway Transportation

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The Other Side of "The Highway Explosion", Carlton D.C. Robinson, CE:Feb 71:47
Dsc: Paul J. Costic, III, CE:July 71:40
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TR:136:1189
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TR:136:528

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TR:136:977
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TR:136:1195
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TR:136:554
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TR:136:803
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Hole Size
Bolted Connections with Varied Hole Diameters, Zaher Shoukry and William Thomas Haisch, ST6: June 70:1105:7349
TR:136:954

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TR:136:33

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Contributions of the Federal-Aid Highway Program, Francis C. Turner, CE:June 70:71
Dsc: Edward A. Merrill, CE:Nov 70:39
TR:136:486
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Dsc: A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56
TR:136:740
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Hydraulic Engineering
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TR:136:519
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TR:136:322
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TR:136:915
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TR:136:228
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TR:136:254
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TR:136:18

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Hydraulic Models
Armor Stability of Overtopped Breakwater, Patrick T. Lording and John R. Scott, WW2:May 71:341:8138
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TR:136:535
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TR:136:94
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Harbor Study for San Nicholas Bay, Peru, James M. Murphy and Emmett J. Murphy, WW2:May 70:251:7271
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Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973
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Mass Transfer Limitations in Substrate Removal, C. Robert Baillod and William C. Boyle, SA2:Apr 70:525:7239
TR:136:891
Modeling of Structures Subjected to Wind Waves, Erich J. Plate and John H. Nath, WW4:Nov 69:491:6904
TR:136:309
Modeling Spread of Heated Water over Lake, Heinz Stefan, PO3:June 70:469:7375
TR:136:1115
Model Study of Power Intake Gate Of Mossyrock Dam, Robert A. Robertson and James W. Ball, HY7:July 71:889:8229
Model Study of Transformation of Tsunamis in Urado Bay, Shigehisa Nakamura, Yuichi Iwagaki and Yoshito Tsuchiya, 12CEC:pp.2089-2102, 1971
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Northfield Mountain Pumped Storage Project, Ralph W. Gunwaldsen and Antonio Ferreira, CE:May 71:53
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Physical Model of the Moored Ship as an Oscillating System, Fernando Vasco Costa, BMS:pp.53-66, 1971
Power Losses and Flow Topologies in Manifold, Jaime Amorocho and Johannes J. DeVries, HY1:Jan 71:81:7791
Protection of Offshore Structures Against Underscour, Chesley J. Posey, HY7:July 71:1011:8230
River Diversion for Boundary Dam, Adolf A. Schilling, PO3:June 70:319:7339
TR:136:1027
Scour Around a Circular Cylinder due to Wave Motion, Donald R. Wells and Robert M. Sorensen, 12CEC:pp.1263-1280, 1971
Select Reservoir Withdrawal by Multilevel Intakes, Walter B. Benton, William J. Wall and Shelton R. McKeever, PO1:Jan 70:109:7029
TR:136:409
Spread of Buoyant Jets at the Free Surface, James J. Sharp, HY3:May 69:811:6538
TR:136:66
Study of Durban Harbor Silting and Beach Erosion, Jan Malan Jordaan, Jr., 12CEC:pp.1097-1116, 1971
Survey of Programs for Water-Surface Profiles, Bill S. Eichert, HY2:Feb 70:547:7098
TR:136:1012
Tidal Waves in Schematic Estuaries, Hans Vollmers and Jurgen Sundermann, 12CEC:pp.2133-2145, 1971
Turbulent Flow Over Moving Boundary, Konstantin Zagustin, En Yun Hsu and Robert L. Street, WW4:Nov 68:397:6210
TR:136:626
Underwater Mound for the Protection of Durban's Beaches, J. A. Zwamborn, G. A. W. Fromme and J. B. FitzPatrick, 12CEC:pp.975-994, 1971
Unsteady Spread of Buoyant Surface Discharge, James J. Sharp, HY9:Sept 71:1471:8396

XUM

Uses of Models in Resolving Tidal Problems, Henry B. Simmons, HY1:Jan 69:125:6345
TR:136:898
Waves Generated By Model Ship Hull, Robert M. Sorensen, WW4:Nov 69:513:6910
TR:136:733
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Hydraulic Pressure
Cylindrical Concrete Hulls under Hydrostatic Loading, Harvey H. Haynes and N. D. Albertsen, Preprint No.1363, Apr 71

Hydraulic Radius
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Hydraulic Resistance of Artificial Concrete Blocks, Nobuo Shuto and Hiroshi Hashimoto, 12CEC: pp.1587-1599, 1971
On the Concept of Mean Hydraulic Radius, Desmond F. Moore, HY4:July 69:1305:6691
TR:136:84
Resistance Studies on Smooth Open Channels, V. V. Jayaraman, HY5:May 70:1129:7266

Hydraulics
Analysis of Sedimentation Data, Udayagiri Mohan Rao, TN: HY4:Apr 71:647:8018
Analytical Treatment of Two-Phase Infiltration, Richard L. Brustkern and Hubert J. Morel-Seytoux, HY12:Dec 70:2535:7743
TR:136:1316
Approximate Solution to Flow Problems Under Dams, Demetrious G. Christoulas, SM11:Nov 71: 1573:8528
Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579
Bed Load Transportation in Alluvial Channels, Satya P. Garg, Ashutosh K. Agrawal and Prem Raj Singh, HY5:May 71:653:8091
Bed Topography Effect on Flow in a Meander, Chin-lien Yen, HY1:Jan 70:57:7003
TR:136:535
Behavior of a Slender Body in Shallow-water Waves, Hsiang Wang and Li-San Hwang, CEC:pp.1723-1744, 1971
Behavior of Buoyant Jet in Calm Fluid, Habib O. Anwar, HY4:July 69:1289:6688
TR:136:93
Boundary Shear Distribution in Open Channel Flow, S. N. Ghosh and N. Roy, HY4:Apr 70:967:7241
TR:136:710
Bridge Backwater in Wide Valleys, Emmett M. Laursen, HY4:Apr 70:1019:7246
TR:136:748
Calibration of Walnut Gulch Supercritical Flumes, Wendell R. Gwinn, HY8:Aug 70:1681:7479
Carbon-14 Ages Related to Occurrence of Salt Water, William Back, Bruce B. Hanshaw and Meyer Rubin, HY11:Nov 70:2325:7702
TR:136:1297
Cavitation in Horizontal Pipelines Due to Water Hammer, J. P. Th. Kalkwijk and C. Kranenburg, HY10:Oct 71:1585:8440
Cavitation Parameters for Outlet Valves, W. Paul Winn and David E. Johnson, HY12:Dec 70:2519: 7771
Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY12:Dec 70:2417:7781
Characteristics of Flow Weirs of Finite Crest Width, Singamsetti Surya Rao and Manoj Kumar Shukla, HY11:Nov 71:1807:8515
Characteristics of Self-Aerated Flows, Nagar S. Lakshmana Rao, Kyatsandra Seetharamiah and Thimmaiah Gangadharaiah, HY2:Feb 70:331:7055
Chesapeake Bay Model Study for Calvert Cliffs, Lawrence C. Neale, PO4:Dec 71:827:8602
Choking and Supercavitating Valves, J. Paul Tullis, HY12:Dec 71:1931:8593
Clogging of Porous Column of Spheres by Sediment, Ramaswamy Sakthivadivel and H. Hans Einstein, HY2:Feb 70:461:7075
TR:136:506
Closed Conduit to Open Channel Stilling Basin, Gordon H. Flammer, Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
Computational Procedures For Flow Resistance Laws, Alan A. Smith, HY3:Mar 70:665:7142
TR:136:673
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70: 2089:7634
TR:136:1271
Computer Analysis of Flow toward Artesian Wells, Yang H. Huang, TN: HY9:Sept 71:1579:8349
Computer Controls for Aqueduct Operation, Alfred R. Golze, PL1:Oct 68:19:6145
TR:136:536
Computer Determination of Flow Through Bridges, Bill S. Eichert and John Peters, HY7:July 70:1455: 7412
Computer Simulation Of Urban Storm Water Runoff, Carl W. Chen and Robert P. Shubinski, HY2:Feb 71:289:7924
Computers in Flood Control Planning, L. Douglas James, HY6:Nov 69:1859:6886
TR:136:290
Cooling Water Density Wedges in Streams, Edward M. Polk, Jr., Barry A. Benedict and Frank L. Parker, HY10:Oct 71:1639:8446
Coordination of Mobile-Bed Hydraulics, Thomas Bunch, HY6:Nov 69:1871:6884
TR:136:837
Crest Losses for Two-Way Drop Inlet, George G. Hebaus, HY3:May 69:919:6570
TR:136:115
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Daily Streamflow Simulation, Kip Payne, W. R. Neuman and K. D. Kerri, HY4:July 69:1163:6665
TR:136:140
Data Error Effects in Unit Hydrograph Derivation, Eric M. Laurenson and Terence O'Donnell, HY6: Nov 69:1899:6887
TR:136:861
Decision Criteria for Using Stochastic Hydrology, George K. Young, Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209
TR:136:1035
Density Induced Return-Currents in Outlet Channels, Ben P. Rigter, HY2:Feb 70:529:7086
TR:136:583
Deposition of Sediment in Transient Flow, Fred F. M. Chang and Dennis L. Richards, HY6:June 71: 837:8191
Depth-Integrating and Dip Samplers, Walter G. Knisel and Ralph W. Baird, HY2:Feb 70:497:7084
TR:136:569
De Saint-Venant Equations Experimentally Verified, Willem F. Brutsaert, HY9:Sept 71:1387:8378
Design Conduit System by Dynamic Programming, Tung Liang, HY3:Mar 71:7988
Design Flood Frequency Curves, Stanley S. Butler, TN: HY3:Mar 71:479:7945
Designing Spillway Crests for High-Head Operation, John J. Cassidy, HY3:Mar 70:745:7153
TR:136:1245
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Design of Combined Service and Auxiliary Spillway at Auld Valley Reservoir, George F. Horowitz and Daumantas Namikas, HY10:Oct 70:1965:7615
TR:136:1126

Diffusion of Sediment in Developing Flow, Robert P. Apmann and Ralph R. Rumer, Jr., HY1:Jan 70:109:7018
TR:136:415
Digital Model of Alluvial Aquifer, Peter C. Trescott, George F. Pinder and John F. Jones, WW3:May 70:1115:7264
TR:136:729
Direct Measurement of Shear Stress in a Flume, Sylvester Petryk and Hsieh W. Shen, TN: HY6: June 71:883:8161
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540
Dispersion Prediction from Current Meters, Mervin D. Palmer and J. Bryan Izatt, HY8:Aug 70:1667:7464
TR:136:1114
Dispersivity Tensor for Uniform Channel Flow, Gedeon Dagan, HY5:Sept 69:1699:6794
TR:136:202
Distribution of Tractive Force in Open Channels, Viswanathan C. Kartha and Hans J. Leutheusser, HY7:July 70:1469:7415
Drag Coefficients in Nonsteady Turbulent Flow, Alex J. Sutherland and David J. Painter, HY7:July 71:1031:8233
Drag Forces on Baffle Blocks in Hydraulic Jump, David R. Basco and John R. Adams, HY12:Dec 71:2023:8599
Drag Reduction in Hydraulic Transport of Solid, Michael Poreh, Jacques L. Zakin, Aviel Brosh and Moshe Warshavsky, HY4:Apr 70:903:7208
TR:136:698
Drainage Density in Drift-Covered Basins, John F. Orsborn, HY1:Jan 70:183:7033
TR:136:436
Dynamic Equations for Steady Spatially Varied Flow, Ben Chie Yen and Harry G. Wenzel, Jr., HY3:Mar 70:801:7179
TR:136:1053
Dynamic Programming for Conjunction Water Use, Gert Aron and Verne H. Scott, HY5:May 71:705:8145
Effect of Channel Shape on Varied Flow Profiles, Nagar S. Lakshmana Rao and Kalambur Sridharan, HY1:Jan 71:55:7796
Effect of Flume Width on Bed-Form Characteristics, Maurice J. Crickmore, HY2:Feb 70:473:7077
TR:136:498
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Effect Of Side Walls On Flow Past Bluff Bodies, Thomas L. Shaw, HY1:Jan 71:65:7788
Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110
Efficiency of Hydraulic Jump, Satya P. Garg and Hari R. Sharma, HY3:Mar 71:409:7994
Efficient Code for Steady-State Flows in Networ , Robert Epp and Alvin G. Fowler, HY1:Jan 70:43:7002
TR:136:867
Energy Dissipators for Large Culverts, Thomas C. MacDonald, HY6:Nov 69:1941:6893
TR:136:514
Energy Loss Analysis for Open Channel Expansions, Gaylord V. Skogerboe, HY10:Oct 71:1719:8464
Erodibility of Channels With Cohesive Boundary, Emmanuel Partheniades and Robert E. Paaswell, HY3:Mar 70:755:7156
Exact Flow Rates from Dupuit's Approximation, W. Bruce Hunt, HY3:Mar 70:633:7140
TR:136:613
Experiences with Bed Sills in Stream Stabilization, Robert P. Apmann and Paul H. Blinco, WW3:Aug 69:319:6724
TR:136:561
Experimental Investigation of Form of Bed-Roughness, Sat Dev Khanna, HY10:Oct 70:2029:7623
Experimental Study of the Hydraulic Behaviour of Inclined Groyne Systems, Julio Patriarca Barcelo, 12CEC:pp.1021-1040, 1971
Experiments on Plane Couette Flow, Hans J. Leutheusser and Vincent H. Chu, HY9:Sept 71:1269:8367
Field Tests of Ice Jam Prevention Techniques, Julius H. Moor and Carl H. Watson, HY6:June 71:777:8179
Filling System For Lower Granite Lock, George C. Richardson, WW3:Aug 69:275:6718
TR:136:94
Finite-Difference Simulation of Bore Propagation, C. Samuel Martin and Jerome J. Zovne, HY7:July 71:993:8234
Fitting Methods for Conceptual Catchment Models, Richard P. Ibbitt and Terence O'Donnell, HY9:Sept 71:1331:8370
Flood Control Release Optimization Using Methods from Calculus, William C. Hughes, HY5:May 71:691:8117
Flood Flow Downstream from Slide, Harold P. Guy, TN: HY4:Apr 71:643:8018
Flood Frequency Estimating Techniques for Small Watersheds, George Fleming and Delbert D. Franz, HY9:Sept 71:1441:8383
Flood Peaks from Small Southwest Range Watershed, Kenneth G. Renard, John C. Drissel and Herbert B. Osborn, HY3:Mar 70:773:7161
TR:136:1047
Flood Regulation by Columbia Treaty Projects, Mark L. Nelson and David M. Rockwood, HY1:Jan 71:143:7798
Flow Analysis of Large Triangular Weir, Donn G. DeCoursey and Bruce J. Blanchard, HY7:July 70:1435:7405
Flow Around Inclined Sheet Pile, Annapareddy Siva Reddy, G. C. Mishra and Kaveti Seetharamiah, HY7:July 71:1101:8248
Flowgraph Analysis of Pipeline Networks, Thorleif Enger and Chuan C. Feng, HY10:Oct 71:1607:8404
Flow in Conduits with Low Roughness Concentration, John A. Roberson and C. K. Chen, HY4:Apr 70:941:7224
TR:136:1066
Flow of Sand and Water in Pipes, Frederic T. Mavis, TN: HY3:Mar 71:483:7945
Flow Over Triangular Elements Simulating Dunes, Mahmoud Faisal Rifai and Kenneth V.H. Smith, HY7:July 71:963:8246
Fluctuating Pressures in Spillway Stilling Basins, C. Edward Bowers and Frank Y. Tsai, HY6:Nov 69:2071:6915
TR:136:322
Fluid-Dynamic Consideration of Bottom Materials, Hormoz Pazwash and James M. Robertson, HY9:Sept 71:1317:8374
Fluid Force Analysis and Accelerating Sphere Tests, Wallis S. Hamilton and James E. Lindell, HY6:June 71:805:8195
Flume Experiments on Alternate Bar Formation, Hai Yain Chang, Daryl B. Simmons and David A. Woolhiser, WW1:Feb 71:155:7869
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Formation of Dunes and Antidunes in Open Channels, Taizo Hayashi, HY2:Feb 70:357:7056
TR:136:648
Formation of Flood Plain Lands, Walter C. Carley, HY3:May 69:981:6574
TR:136:73
Fortran-Hydro, Jaques W. Delleur and Gerrit H. Toebes, HY6:Nov 69:1993:6901
TR:136:299
Four-Point Method of Characteristics, Michael B. Abbott and Adrianus Verwey, HY12:Dec 70:2549:7763
Free Surface, Velocity Gradient Flow Past Hemisphere, Gordon H. Flammer, J. Paul Tullis and Earl S. Mason, HY7:July 70:1485:7418
Friction Factors and Bed Forms in Fluvial Channels, David Squarer, HY4:Apr 70:995:7245
TR:136:726

XUM

Friction Factors for Corrugated Plastic Tubing, Lee F. Hermsmeier and Lyman S. Willardson, IR3:Sept 70:265:7531
Friction-Factors for Flat-Bed Flows in Sand Channels, Frederico Lovera and John F. Kennedy, HY4:July 69:1227:6678
TR:136:188
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Graphical Solution to Hydraulic Jump, Roland W. Jeppson, HY1:Jan 70:103:7014
TR:136:915
Gravity-Affected Flow from Planar Sluice Gatel, Bruce E. Larock, HY4:July 69:1211:6674
TR:136:162
Head Losses in Wyes and Manifolds, Eugen Ruus, HY3:Mar 70:593:7130
TR:136:596
Heated Surface Jets in a Steady Crosscurrent, Robert W. Zeller, John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385
Height of Sand Dunes in Open Channel Flows, Mohammad Akram Gill, HY12:Dec 71:2067:8612
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177
TR:136:1017
Hourly Rainfall Synthesis for a Network, Delbert D. Franz, HY9:Sept 71:1349:8375
Hydraulic Design of Unlined Rock Tunnels, Carl J. Huval, HY4:July 69:1235:6679
TR:136:181
Hydraulic Jump Within Gradually Expanding Channel, Anat Arbhabhirama and Alejandro U. Abella, HY1:Jan 71:31:7831
Hydraulic Properties of Small Unlined Rock Tunnels, Seppo Priha, HY4:July 69:1181:6672
TR:136:167
Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973
Hydrologic Consequences of Rainfall Augmentation, Alan M. Lumb and Ray K. Linsley, HY7:July 71:1065:8232
Hydrology and Erosion of Loessial Watersheds, Keith E. Saxton, Ralph G. Spomer and Larry A. Kramer, HY11:Nov 71:1835:8523
Hydrology and Geology of Honolulu Aquifer, David K. Todd and Charles F. Meyer, HY2:Feb 71:233:7910
Implicit Flood Routing in Natural Channels, Michael Amein and Ching S. Fang, HY12:Dec 70:2481:7773
Indeterminate Hydraulics of Alluvial Channels, Thomas Maddock, Jr., HY11:Nov 70:2309:7696
Influences of Sedimentation on Water Quality: An Inventory of Research Needs, Robert H. Livesey, Chmn., HY8:Aug 71:1203:8325
Initial Instability of Fine Bed Sand, Anthony J. Grass, HY3:Mar 70:619:7139
TR:136:1219
Initial Loss for Flood Estimation and Forecasting, Ian Cordery, HY12:Dec 70:2447:7737
Initiation of Ripples on Flat Sediment Beds, Philip B. Williams and Patrick H. Kemp, HY4:Apr 71:505:8042
Instability of Flat Bed in Alluvial Chann , Harry M. Hill, Vajapeyam S. Srinivasan and Tharakkal E. Unny, Jr., HY5:Sept 69:1545:6770
TR:136:196
Integrating-Float Measurements at Low Velocities, Henry Liu and Larry D. Martin, HY1:Jan 70:143:7027
TR:136:423
Integrating-Float Measurements in Turbulent Flows, Henry Liu and Charles D. Morris, HY2:Feb 70:565:7101
TR:136:590
Interaction of Waves with Submerged Objects, C. J. Garrison and V. Seetharama Rao, WW2:May 71:259:8111
Internal Hydraulics of Thermal Discharge Diffusers, Svein Vigander, Rex A. Elder and Norman H. Brooks, HY2:Feb 70:509:7085
TR:136:1025
Investigation of Brahmaputra River, Abdul Latif, HY5:Sept 69:1687:6793
TR:136:235
Junction Losses in Laminar and Transitional Flows, Donald K. Jamison and James R. Villemonte, HY7:July 71:1045:8258
Laminar and Turbulent Overland Flow Hydrographs, James R. Morgali, HY2:Feb 70:441:7069
TR:136:998
Limit Slope in Uniform Computations, Nagar S. Lakshmana Rao and Kalamear Shridharan, HY1:Jan 70:95:7011
TR:136:398
Linearizing Weight Factors For Least-Squares Fitting, Llewellyn E. Jones, HY5:May 71:665:8089
Linear-Momentum Flux to Overbank Sections, Robert R. Wright and Marion R. Carstens, HY9:Sept 70:1781:7517
Linear Proportional Weirs, P. Sreenivasulu and R. Raghavendran, HY2:Feb 70:379:7062
TR:136:892
Local Scour Around Bridge Piers, Hsieh W. Shen, Verne R. Schneider and Susumu Karaki, HY6:Nov 69:1919:6891
TR:136:851
Longitudinal Dispersion of Bed-Material Particles, Chih Ted Yang and William W. Sayre, HY7:July 71:907:8228
Manifold Flow in Subirrigation Pipes, Edwin Zsak, HY10:Oct 71:1737:8477
Manning Formula-A Misnomer, Garnett P. Williams, HY1:Jan 70:193:7036
TR:136:554
Manning n for Cast-in-Place Concrete Pipe, Thomas T. Wilson, Jr. and Edib Kirdar, HY3:May 69:995:6575
TR:136:132
A Man of Hydraulics: Henri de Pitot (1695-1771), Rene Chevray, HY4:July 69:1129:6650
TR:136:803
Markov Models for Flow Regulation, Moshe Gablinger and Daniel P. Loucks, HY1:Jan 70:165:7031
Mathematical Model For Water Distribution Systems, Mehdi S. Zarghamee, HY1:Jan 71:1:7797
Mathematical Tidal Study of St. Lawrence River, J. William Kamphuis, HY3:Mar 70:643:7141
TR:136:624
Maximum Entropy Mixing in Estuaries, Dominic M. Di Toro, TE4:July 69:1247:6885
TR:136:981
Mechanics of Stratified Flow Through Orifices, Joseph P. Bohan and John L. Grace, HY12:Dec 70:2401:7757
Mission of U.S. Lake Survey, James E. Bunch, SU2:Sept 70:181:7527
TR:136:946
Modeling of Structures Subjected to Wind Waves, Erich J. Plate and John H. Nath, WW4:Nov 69:491:6904
TR:136:309
Model Study of Power Intake Gate Of Mossyrock Dam, Robert A. Robertson and James W. Ball, HY7:July 71:889:8229
Mossyrock Arch Spillway, David S. Louie, PO1:Jan 71:39:7792
Motion of Single Particles in Alluvial Channels, Neil S. Grigg, HY12:Dec 70:2501:7770
Movement of Sand in Tunnels, Dagfinn K. Lysne, HY6:Nov 69:1835:6880
TR:136:263
Movement of Small Gas Bubbles in Smoothly Decelerating Liquid, Subba Rao Gutti, HY7:July 71:117:8251
Multilevel Outlet Works at Four Existing Reservoirs, Gary H. Austin, Donald A. Gray and Donald G. Swain, HY6:Nov 69:1793:6877
TR:136:246
Needle Valves as Pressure Regulators, J. Paul Tullis and Maurice L. Albertson, HY5:Sept 69:1633:6787
TR:136:220
New Approach to Hydrologic Data Acquisition, Edward J. Langham, HY12:Dec 71:1965:8578

New Developments in the Field of Tidal Hydraulics, Joseph M. Caldwell, HY1:Jan 69:1:6339 TR:136:756
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Nondimensional Gradually Varied Flow Profiles, Cheng-lung Chen and Chun-Tsung Wang, HY5: Sept 69:1671:6790 TR:136:228
Nonenlarged Box Culvert Inlets, John L. French, HY6:Nov 69:2115:6928 TR:136:353
Nonequilibrium Transport of Suspended Sediment, Allen T. Hjelmfelt and Charles W. Lenau, HY7: July 70:1567:7430
Nonlinear Flow in Porous Media by Finite Elements, Raymond Edward Volker, HY6:Nov 69:2093:6927 TR:136:336
Nonsteady Flow to Surface Reservoir, William Wen-Gong Yeh, HY3:Mar 70:609:7137 TR:136:958
Nonuniform Flow in Flat Rectangular Channels, Kuan M. Yao, HY9:Sept 71:1343:8369
Numerical Method of Computing Flow Profiles, Ramanand Prasad, HY1:Jan 70:75:7005 TR:136:546
Numerical Solution of Saint-Venant Equations, Theodor Strelkoff, HY1:Jan 70:223:7043 TR:136:450
Objective Determination of Safety Factor in Reservoir Design, E. R. Close, Leo R. Beard and D. R. Dawdy, ST5:May 70:1167:7297 TR:136:1235
One-Dimensional Equation of Open-Channel Flow, Theodor Strelkoff, HY3:May 69:861:6557 TR:136:57
On the Concept of Mean Hydraulic Radius, Desmond F. Moore, HY4:July 69:1305:6691 TR:136:84
Open Channel Expansions Fitted with Local Hump, Amruthur S. Ramamurthy, Sanjay Basak and Pattabhi Rama Rao, HY5:May 70:1105:7257 TR:136:1088
Open-Channel Simulation by Digital Computer, C. Samuel Martin and Frank G. De Fazio, HY6:Nov 69:2049:6911 TR:136:644
Optical Current Meter Use in Southern California, Thomas S. Chandler and Winchell Smith, HY9:Sept 71:1461:8390
Optimal Policy for Reservoir Operation, Ricardo C. Harboe, Fereidoun Mobasheri and William Wen-Gong Yeh, HY1:Nov 70:2297:7673
Optimum Design of Complex Water Resource Projects, David Stephenson, HY6:June 70:1229:7320 TR:136:1251
Parameters for Bed Slip Point in Two-Phase Flow, Kenneth C. Wilson, HY10:Oct 71:1665:8426
Particle Size of River Sediments, George Fleming and Thomas Poodle, HY2:Feb 69:431:7068 TR:136:482
Pattern Of Potential Flow in a Free Overfall, Theodor Strelkoff and Mohammad S. Moayeri, HY4:Apr 70:879:7207 TR:136:993
Performance and Design of Labyrinth Weirs, Nessim Hay and Geoffrey Taylor, HY11:Nov 70:2337:7691
Periodic Permanent Roll Waves, Richard R. Brock, HY12:Dec 70:2565:7764
Photomicroscopic Sublayer Velocity Measurement, Harry G. Wenzel, Jr. and Michael J. Mathews, HY12:Dec 70:2467:7724
Plastic Analysis of a Plate Sealing a Fluid, Richard H. Lance and David N. Robinson, EM6:Dec 70: 1183:7742 TR:136:1318
Plotting Positions for Hydrologic Frequencies, John R. Stipp and George K. Young, Jr., TN: HY1:Jan 71:219:7824
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Power Law Solutions for Vertical Plumes, Richard R. Brock, HY9:Sept 70:1803:7523
Power Losses and Flow Topologies in Manifold, Jaime Amorocho and Johannes J. DeVries, HY1: Jan 71:81:7791
Predicting Concentration Profiles in Open Channels, Harvey E. Jobson and William W. Sayre, HY10: Oct 70:1983:7618
Pressure Fluctuations on Submerged Sluice Gate, Gordon Keir, Tharakkal E. Unny, Jr. and Harry M. Hill, HY4:Nov 69:1781:6875 TR:136:254
Pressure Surge Attenuation Utilizing an Air Chamber, Don J. Wood, HY5:May 70:1143:7267 TR:136:1299
Properties of Circulation in Stratified Lakes, James A. Liggett and Kwang K. Lee, HY1:Jan 71:15:7793
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028 TR:136:937
Real Time Routing of Flood Hydrographs in Storm Sewers, Garth S. Harris, HY6:June 70:1247:7327
Register of Selective Withdrawal Works in United States, Task Committee on Outlet Works, Committee on Hydraulic Structures, Ronald E. Nece, Chmn., HY9:Sept 70:1841:7533 TR:136:1141
Research Needs on Thermal and Sedimentary Pollution in Tidal Waters by the Committee on Tidal Hydraulics of the Hydraulics Division, Frank D. Masch, Chmn., HY7:July 70:1539:7426 TR:136:1177
Reservoir System Design Optimization, Richard J. Butsch, HY1:Jan 70:125:7023 TR:136:408
Resistance Studies on Smooth Open Channels, V. V. Jayaraman, HY5:May 70:1129:7266
Resistance to Flow over Two-Dimensional Strip Roughness, K. G. Ranga Raju and Ramachandra J. Garde, HY3:Mar 70:815:7181 TR:136:975
Resonance in Pressurized Piping Systems, Mohammad Hanif Chaudhry, HY9:Sept 70:1819: 7525
Ripple Concentration and Friction Factor, Fred F.M. Chang, HY2:Feb 70:417:7067 TR:136:489
Risks in Hydrologic Design of Engineering Projects, Ben Chie Yen, HY4:Apr 70:959:7229 TR:136:1096
River Channel Patterns, Shrikrishna V. Chitale, HY1: Jan 70:201:7038 TR:136:931
Runoff Forecasting By Variable Transformation, Mikio Hino, HY4:Apr 70:871:7203 TR:136:676
Runoff Forecasts by Linear Predictive Filter, Mikio Hino, HY3:Mar 70:681:7146 TR:136:655
Runoff Routing Through Steep Natural Channels, Rolf Kellerhals, HY11:Nov 70:2201:7666 TR:136:1278
Salt Water Interface During Ground-Water Pumping, Norbert L. Ackermann and Y. Y. Chang, HY2:Feb 71:223:7920
Sampling Procedures for Coarse Fluvial Sediments, Rolf Kellerhals and Dale I. Bray, HY8:Aug 71: 1165:8279
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual, Vito A. Vanoni, HY5:Sept 69:1477:6756 TR:136:823
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual, Vito A. Vanoni, HY5:Sept 69:1515:6757 TR:136:798
Sedimentation Engineering, Chapter IV: Sediment Sources and Sediment Yields, Task Committee on Preparation of Manual on Sedimentation, Vito A. Vanoni, Chmn., HY6:June 70:1283:7337

XUM

Sedimentation Engineering, Chapter II: Sediment Transportation Mechanics: Q. Genetic Classification of Valley Sediment Deposits, Task Committee for Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY1:Jan 71:43: 7815
Sedimentation Engineering, Chapter 3: Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY5:May 70:1157:7269
Sedimentation Transportation Mechanics: G. Fundamentals of Sediment Transportation, Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation, Vito A. Vanoni, Chmn., HY12:Dec 71:1979:8591
Sediment Balance of Clyde Estuary, George Fleming, HY11:Nov 70:2219:7676
TR:136:1188
Sediment Dispersion in Flow with Moving Boundaries, Cheng-lung Chen, HY8:Aug 71:1181: 8287
Sediment Measurement Techniques: E. Airborne Sediment, by the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY1:Jan 70:29:7001
TR:136:380
Sediment Sampling Efficiency of Slots, Michael Poreh, Abraham Sagiv and Ido Seginer, HY10:Oct 70:2065:7637
Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY7:July 70: 1503:7423
Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY1:Jan 71:101:7786
Sediment Transportation Mechanics: H. Sediment Discharge Formula, Task Committee for Preparation of Sedimentation Manual, Sedimentation Committee, Hydraulics Division, Vito A. Vanoni, Chmn., HY4:Apr 71:523:8076
Sediment Transport Measurements in Gravel River, Albert B. Hollingshead, HY11:Nov 71:1817:8521
Sediment Yeilds from Central Colorado Snow Zone, Charles F. Leaf, HY1:Jan 70:87:7006
TR:136:389
Seepage Force on Interfacial Bed Particles, C. Samuel Martin and Mustafa M. Aral, HY7:July 71:1081: 8239
Seepage from Trapezoidal Channels, Satya P. Garg and A. S. Chawla, HY6:June 70:1261:7335
TR:136:1258
Seepage Study Using Electrical Analog, Heinz Stefan and Johannes Meyer, HY2:Feb 70:411:7064
TR:136:458
Self-Aerated Flow Characteristics in Wall Region, Nagar S. Lakshmana Rao and Thimmaiah Gangadharaiah, HY9:Sept 71:1285:8359
Self-Stabilizing Tendencies of Alluvial Channels, Johannes Gessler, WW2:May 70:235:7263
TR:136:1307
Settling Parameter in Solids Pipelining, M. P. duPlessis and R. W. Ansley, PL2:July 67:1:5340
TR:136:59
Sill-Controlled Flow Transitions and Extent of Erosion, Walter Rand, HY4:Apr 70:927:7212
TR:136:722
Similarity in Unlined Irrigation Canal Systems, Kenneth V.H. Smith, HY1:Jan 70:13:6993
TR:136:366
Similitude Criteria for Flow from Unconfined Aquifers, Rameshwar D. Verma and Wilfried Brutsaert, HY9:Sept 71:1493:8397
Simulation Model for Flow Augmentation Costs, Armando I. Perez, John C. Schaake, Jr. and Edwin E. Pyatt, HY1:Jan 70:131:7026
TR:136:429
Slip Points of Beds in Solid-Liquid Pipeline Flow, Kenneth C. Wilson, HY1:Jan 70:1:6992
TR:136:347
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, HY9:Sept 71:1427: 8386
Some Turbulence Measurements in Open-Channel Flow, Raul S. McQuivey and Everett V. Richardson, HY1:Jan 69:209:6349
TR:136:33
Spread of Buoyant Jets at the Free Surface, James J. Sharp, HY3:May 69:811:6538
TR:136:66
Stability Criteria for Open-Channel Flow, Themistocles A. Dracos and Bard Glenne, HY6: Nov 67:79:5566
TR:136:8
Stability of Oscillations in Simple Surge Tank, Eugen Ruus, HY5:Sept 69:1577:6773
TR:136:213
State Flood-Plain Management Activities, Jack G. Johnson, HY10:Oct 70:2041:7589
TR:136:1166
Steady Flow Past Flat Plate in Channel, Thomas L. Shaw, HY6:Nov 69:2013:6903
TR:136:306
Stochastic Analysis of Periodic Hydrologic Process, Rezaul Karim Bhuiya, HY7:July 71:949:8242
Stochastic Model For Sand Dispersion, Chih Ted Yang and William W. Sayre, HY2:Feb 71:265:7892
Stratification of Flow from Channel into Deep Lake, Heinz Stefan, HY7:July 70:1417:7401
Surface Disturbance from Submerged Jet, Norbert L. Ackermann, Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236
Surface Irrigation Using the Kinematic-Wave MethoS, Cheng-lung Chen, IR1:Mar 70:39:7134
TR:136:813
Surge Tank Stability By Phase Plane Method, Mohammad Hanif Chaudhry and Eugen Ruus, HY4:Apr 71:489:8044
Survey of Programs for Water-Surface Profiles, Bill S. Eichert, HY2:Feb 70:547:7098
TR:136:1012
Systemic Variation Pattern of Annual River Flows, Frank W.F. Waitt and Ian C. O'Neill, HY3:May 69:787:6531
TR:136:47
Temperature Variations in Deep Reservoirs, Gerald T. Orlob and Lawrence G. Selna, HY2:Feb 70:391: 7063
TR:136:913
Testing Sediment Movement Due to Wave Action, Geoffrey R. Mogridge, HY7:July 70:1587:7433
TR:136:1309
Tests on Cylinders in Turbulent Flow, Walter H. Graf and Stephen C. Ko, TN: HY8:Aug 71:1265: 8274
Theoretical Baseflow Curves, Krishan P. Singh, HY6: Nov 69:2029:6905
TR:136:315
Tracer Studies of Sediment Transport Processes, Ronald E. Rathbun and Carl F. Nordin, HY9:Sept 71:1305:8364
Transport Equation Stability and Estuary Modeling, Fred G. Haag and Keith W. Bedford, HY12:Dec 71:2051:8610
Two-Dimensional Surface Warm Jets, Robert C. Y. Koh, HY6:June 71:819:8186
Unconfined Aquifer Seepage by Capillary Flow Theory, Rameshwar D. Verma and Wilfried Brutsaert, HY6:June 70:1331:7363
TR:136:738
Unsteady Drawdown in Well Groups, Raymond J. Krizek, Gabor M. Karadi and D. Babu Rao, HY10: Oct 71:1625:8436
Unsteady Flow in Channel of Variable Cross Section, John Ellis, HY10:Oct 70:1927:7583
TR:136:1264
Unsteady Free-Surface Flow Computations, E. Benjamin Wylie, HY11:Nov 70:2241:7683
TR:136:1208

Unsteady Free Surface Ground Water Seepage, Rameshwar D. Verma and Wilfried Brutsaert, HY8: Aug 71:1213:8337
Unsteady Seepage Toward Narrow Ditch, Bruce W. Hunt, HY10:Oct 70:1953:7586
TR:136:1152
Unsteady Seepage Toward Sink Beneath Free Surface, Bruce W. Hunt, HY4:Apr 70:859:7202
TR:136:686
Unsteady Spread of Buoyant Surface Discharge, James J. Sharp, HY9:Sept 71:1471:8396
Urban Runoff by Road Research Laboratory Method, Michael L. Terstriep and John B. Stall, HY6:Nov 69:1809:6878
TR:136:274
Urban Water Planning and Management: A Conceptual Framework and Problem Focus, John R. Sheaffer, UWRM:pp.5-7, 1971
Uses of Models in Resolving Tidal Problems, Henry B. Simmons, HY1:Jan 69:125:6345
TR:136:898
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449
Validity of Stokes Theory for Accelerating Spheres, Lyle F. Mockros and Robert Y.S. Lai, EM3:June 69:629:6613
TR:136:177
Variational Approach to Non-Darcy Flow, John A. McCorquodale, HY11:Nov 70:2265:7694
TR:136:1292
Variational Principle in Fluid Dynamics, Pierre F. Lemieux, Tharakkal E. Unny, Jr. and R. N. Dubey, EM6:Dec 70:1031:7731
TR:136:1252
Variation in Lag Time for Natural Catchments, Arthur J. Askew, HY2:Feb 70:317:7051
TR:136:473
Vertical Recharge of Unconfined Aquifer, Bruce W. Hunt, HY7:July 71:1017:8257
Vertical Transfer in Open Channel Flow, Harvey E. Jobson and William W. Sayre, HY3:Mar 70:703:7148
TR:136:662
Vibration Analysis of Pump Discharge Lines, Jesse M. Diaz and Ravinder K. Jain, HY11:Nov 70:2279:7678
TR:136:1286
Virtual Mass of Plates and Discs in Water, Frederic T. Mavis, HY10:Oct 70:1947:7593
Wall Effect on a Sphere in a Rotating Viscous Fluid, Philip K. Davis, HY10:Oct 70:2019:7625
TR:136:1052
Water Accounting at Pumping Station S-5A in Florida, Claiborne F. Gallihcr, IR4:Dec 69:517:6970
TR:136:282
Water Hammer Analysis, Victor L. Streeter, HY6: Nov 69:1959:6899
TR:136:281
Water Resources Planning For Pascagoula Basin, Mason B. Oldham, Jr. and John W. Rushing, WW1:Feb 70:65:7060
TR:136:383
Water Resources Planning Model, John F. Brotchie, TN: HY10:Oct 71:1801:8413
Water Wave Pressure on Horizontal Plate, Hsiang Wang, HY10:Oct 70:1997:7629
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466
Where Is Urban Hydrology Practice Today?, D. Earl Jones, Jr., HY2:Feb 71:257:7917
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235
Work-Energy Equation for the Streamline, Hunter Rouse, HY5:May 70:1179:7300
TR:136:1228
136, Michael C. Quick, HY7:July 70:1403:7399

Hydraulic Structures

Control of Scour at Hydraulic Structures, Thomas E. Murphy, Preprint No.1288, Jan 71
Crest Losses for Two-Way Drop Inlet, George G. Hebaus, HY3:May 69:919:6570
TR:136:115
Outlet Transitions with Triangular-Shaped Baffles, Lloyd H. Austin, Gaylord V. Skogerboe and Ray S. Bennett, IR3:Sept 71:433:8366
Research Topics for Small Irrigation Structures, Gaylord V. Skogerboe, Wynn R. Walker, Brent B. Hacking and Lloyd H. Austin, IR3:Sept 70:309:7542
TR:136:1073
Triangular Broad-Crested Weir, Clifford D. Smith and Wen S. Liang, IR4:Dec 69:493:6954
TR:136:668

Hydraulic Turbines

Analysis of Large Complex Hydraulic Turbine Components, Edward J. Yanek, Preprint No.1410, Apr 71
Rehabilitation of Wilson Dam Generating Units, William F. Willis and J. E. Kirkland, PO2:Oct 69:321:6861
TR:136:266

Hydraulic Valves

Reducing Cavitation in Valves, J. Paul Tullis and M. M. Skinner, HY6:Nov 68:1475:6255
TR:135:309

Hydrodynamic Pressure

The Added Mass of a Ship in Longitudinal Oscillation, Jean Sommet, BMS:pp.174-191, 1971
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Hydrodynamics

Computation of Open-Channel Surges and Shocks, George Terzidis and Theodor Strelkoff, HY12:Dec 70:2581:7780
Eddy Formation Behind Circular Cylinders, Alan D. K. Laird, HY6:June 71:763:8170
Effect on Waterway Depth and Alignments, Casimir J. Kray, WW2:May 70:497:7305
Fluid Force Analysis and Accelerating Sphere Tests, Wallis S. Hamilton and James E. Lindell, HY6:June 71:805:8195
Formulation of Mathematical Watershed-Flow Model, Cheng-lung Chen and Ven Te Chow, EM3: June 71:809:8199
Ground Water Recharge Design for Renovating Waste Water, Herman Bouwer, SA1:Feb 70:59:7096
TR:136:468
Interaction of Waves with Submerged Objects, C. J. Garrison and V. Seetharama Rao, WW2:May 71:259:8111
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass Analytic Study of the Problem of Berthing, Fernando Vasco Costa, BMS:pp.157-173, 1971
Numerical Model for Wave Pressure Distributions, J. Richard Weggel and W. Hall C. Maxwell, WW3: Aug 70:623:7467
Sediment Dispersion in Flow with Moving Boundaries, Cheng-lung Chen, HY8:Aug 71:1181:8287
Seepage from Trapezoidal Channels, Satya P. Garg and A. S. Chawla, HY6:June 70:1261:7335
TR:136:1258
Stochastic Hydrodynamics of Sediment Transport, Chao-Lin Chiu and Kuang-Chen Chen, EM5:Oct 69:1215:6858
TR:136:341

Hydroelasticity

Inadequacies of Piston Theory in Fluid-Shell Interactions, Jerome M. Klosner, EM2:Apr 70:143:7237
TR:136:1199

Hydroelectric Power Generation

Additions To Chief Joseph Dam Power Project, A. Lee Warbington, PO2:Mar 71:493:7970

XUM

Advantages Of Inclined-Axis Hydroelectric Units, V. Shannon and Charles H. Fogg, PO2:Mar 71:395:7948
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Churchill Falls Power Facilities, D. Wermenlinger, J. G.S. Thompson and J. M. Gardiner, PO2:Mar 71:515:7974
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967
Diversion at Portage Mountain Project, Harold K. Pratt, PO3:June 70:349:7346
TR:136:1178
Hydraulic Design of Unlined Rock Tunnels, Carl J. Huval, HY4:July 69:1235:6679
TR:136:181
Hydroelectric Power Plant Trashrack Design, Lloyd E. Sell, PO1:Jan 71:115:7819
The Lower Mekong Development Program, Leon W. Damours, CE:July 70:58
TR:136:541
Modernization of Dams on Salt River, J. George Thon, John W. O'Hara and Clarence H. Whalin, PO1:Jan 70:157:7039
TR:136:466
Northfield Mountain Pumped Storage Project, Ralph W. Gunwaldsen and Antonio Ferreira, CE:May 71:53
Dsc: C. F. Whitehead, CE:Sept 71:93
Optimal Policy for Reservoir Operation, Ricardo C. Harboe, Fereidoun Mobasheri and William Wen-Gong Yeh, HY11:Nov 70:2297:7673
Penstocks For Six Pumped Storage Projects, J. Edgar Revelle and Robert W. Mikitka, PO2:Mar 71:435:7947
Power and Energy Study of Hydroelectric Plants, Peri Z. Valvis and Miltos Th. Mathioudis, PO2:Mar 71:567:8003
Power Generation Under IJC Regulation, George T. Berry, PO2:Nov 68:217:6257
TR:136:620
Rehabilitation of Wilson Dam Generating Units, William F. Willis and J. E. Kirkland, PO2:Oct 69:321:6861
TR:136:266
Surge Studies for Portage Mountain Tailrace System, Kenneth C. Wilson, PO1:Mar 69:1:6432
TR:136:649

Hydroelectric Powerplants

Pumped Storage: State-of-the-Art, Richard S. Woodruff, Chmn., PO3:July 71:675:8262
Pump Storage at DeGray Dam, Robert G. Burnett and William M. Rankin, Preprint No.1414, Apr 71
Pump Storage at Harry S. Truman Dam, Robert G. Burnett and John O. Christensen, Preprint No.1415, Apr 71
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71

Hydrogeochemistry

Carbon-14 Ages Related to Occurrence of Salt Water, William Back, Bruce B. Hanshaw and Meyer Rubin, HY11:Nov 70:2325:7702
TR:136:1297

Hydrographic Charts

Chart Compilation-Field and Office, William J. Monteith, SU2:Sept 70:157:7522
TR:136:885
Reverse and Direct Reservoir Routing Method Sets Highway Grade, Constantine Voutyras, CE:Oct 69:56
TR:136:11
Runoff Grouping for Detection of Change in Runoff, Hiroshi Nakamichi and Hubert J. Morel-Seytoux, IR2:June 71:275:8201

Hydrographic Surveys

Beach Nourishment at Virginia Beach, Virginia, James W. Bunch, 12CEC:pp.967-973, 1971
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Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, IR3:Sept 71:469:8351

Hydrography

Computer Simulation Of Urban Storm Water Runoff, Carl W. Chen and Robert P. Shubinski, HY2:Feb 71:289:7924
Dispersion and Flushing of Pollutants in Extuaries, Donald W. Pritchard, HY1:Jan 69:115:6344
TR:136:875
Investigation of Brahmaputra River, Abdul Latif, HY5:Sept 69:1687:6793
TR:136:235
Seafloor Surveying by Divers, John B. Ciani, E. Kent Hunter, George B. Dowling and David M. Bunk, SU2:Nov 71:149:8496

Hydrology

Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, WW4:Nov 71:631:8494
Daily Streamflow Simulation, Kip Payne, W. R. Neuman and K. D. Kerri, HY4:July 69:1163:6665
TR:136:140
Decision Criteria for Using Stochastic Hydrology, George K. Young, Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209
TR:136:1035
Design Sensitivity of Pollution Control Reservoirs, George K. Young, R. W. Schrecongost and W. N. Fitch, SA5:Oct 68:829:6147
TR:136:665
Economic Measure of Effect of Extreme Data, Myron B. Fiering, SA4:Aug 69:683:6720
TR:13:49
Fitting Methods for Conceptual Catchment Models, Richard P. Ibbitt and Terence O'Donnell, HY9:Sept 71:1331:8370
Flood Frequency Estimating Techniques for Small Watersheds, George Fleming and Delbert D. Franz, HY9:Sept 71:1441:8383
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Hydrologic Consequences of Rainfall Augmentation, Alan M. Lumb and Ray K. Linsley, HY7:July 71:1065:8232
Hydrologic Data for Storm Drainage Design, William J. Schneider, Preprint No.1328, Jan 71
Hydrology and Erosion of Loessial Watersheds, Keith E. Saxton, Ralph G. Spomer and Larry A. Kramer, HY11:Nov 71:1835:8523

Hydrology and Geology of Honolulu Aquifer, David K. Todd and Charles F. Meyer, HY2:Feb 71:233: 7910
Hydrology of Spray-Runoff Wastewater Treatment, Richard E. Thomas, James P. Lae, Jr. and Curtis C. Harlin, IR3:Sept 70:289:7538
TR:136:1150
Mission of U.S. Lake Survey, James E. Bunch, SU2: Sept 70:181:7527
TR:136:946
New Approach to Hydrologic Data Acquisition, Edward J. Langham, HY12:Dec 71:1965:8578
One-Dimensional Infiltration into Layered Soils, Yu-Si Fok, IR2:June 70:121:7343
Plotting Positions for Hydrologic Frequencies, John R. Stipp and George K. Young, Jr., TN: HY1:Jan 71:219:7824
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, Preprint No.1298, Jan 71
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
Risks in Hydrologic Design of Engineering Projects, Ben Chie Yen, HY4:Apr 70:959:7229
TR:136:1096
River Metamorphosis, Stanley A. Schumm, HY1:Jan 69:255:6352
TR:136:38
Runoff Forecasts by Linear Predictive Filter, Mikio Hino, HY3:Mar 70:681:7146
TR:136:655
Runoff Routing Through Steep Natural Channels, Rolf Kellerhals, HY11:Nov 70:2201:7666
TR:136:1278
Simulation Model for Flow Augmentation Costs, Armando I. Perez, John C. Schaake, Jr. and Edwin E. Pyatt, HY1:Jan 70:131:7026
TR:136:429
Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227
South Florida Training Runway and Everglades National Park, H. C. Lamberton, Jr., CE:Apr 70:53
TR:136:350
Status of Water Resource Systems Analysis, Leo R. Beard, Preprint No.1308, Jan 71
Stochastic Analysis of Periodic Hydrologic Process, Rezaul Karim Bhuiya, HY7:July 71:949:8242
Unsteady Free-Surface Flow Computations, E. Benjamin Wylie, HY11:Nov 70:2241:7683
TR:136:1208
Urban Runoff by Road Research Laboratory Method, Michael L. Terstriep and John B. Stall, HY6:Nov 69:1809:6878
TR:136:274
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681: 8449

Hydrolysis
Hydrolysis of Lipids in Wastewater, Gary R. Kramer, SA5:Oct 71:731:8418

Hydromechanics
Gravity-Affected Flow from Planar Sluice Gatel, Bruce E. Larock, HY4:July 69:1211:6674
TR:136:162
One-Dimensional Equation of Open-Channel Flow, Theodor Strelkoff, HY3:May 69:861:6557
TR:136:57

Hydrostatic Pressure
Cylindrical Concrete Hulls under Hydrostatic Loading, Harvey H. Haynes and N. D. Albertsen, Preprint No.1363, Apr 71

Hyperbaric Medicine
Material Safety Requirements of Hyperbaric Facilities, William J. Bobisch and Michael Yachnis, Preprint No.1357, Apr 71

Hyperbaric Oxygenation
Material Safety Requirements of Hyperbaric Facilities, William J. Bobisch and Michael Yachnis, Preprint No.1357, Apr 71

Hyperbolic Parabolic Shells
Analysis of Thin Steel Hyperbolic Paraboloid Shells, P. V. Banavalkar and Peter Gergely, Preprint No.1320, Jan 71
Cooling Towers Supported on Columns, Salman H. Abu-Sitta, ST12:Dec 70:2575:7753
Earthquake Design of Cooling Towers, Salman H. Abu-Sitta and Alan G. Davenport, ST9:Sept 70: 1889:7524
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, Mehran Lashkari, Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71
Finite Element Analysis of Hyperbolic Paraboloid Shells, Semih S. Tezcan, Krishna M. Agrawal and George Kostro, ST1:Jan 71:407:7847
Free Vibration of Hyperbolic Cooling Towers, Mahmoud G. Hashish and Salman H. Abu-Sitta, EM2:Apr 71:253:8037
Hangar Features Stressed-Skin Hypars, Charles H. Thornton and Richard L. Tomasetti, CE:Nov 70:54
TR:136:1044
Hyperboloids of Revolution Supported on Columns, Phillip L. Gould and Seng-Lip Lee, EM.5:Oct 69: 1083:6820
TR:136:312
Study of Suspended Roof Model, Prem Krishna and Tej P. Agarwal, ST6:June 71:1671:8168

Hypolimnion
Cooling Water Studies at Electric Power Station, R. Fred Gray and J. Ben Stephenson, PO2:Oct 69:293: 6853
TR:136:230

Hysteresis
Analysis of Infiltration into Draining Porous Media, Frank D. Whisler and Keith K. Watson, IR4:Dec 69:481:6946
TR:136:215
Dynamic Moduli and Damping Ratios For Soft Clay, William D. Kovacs, H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Earthquake Response of a Ramberg-Osgood Structure, Movses J. Kaldjian and William R.S. Fan, ST10:Oct 68:2451:6196
TR:136:656

I Beams
Elastic Lateral Buckling of Stepped I-Beams, Nicholas S. Trahair and Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Model I-Shaped Beams under Alternating Deflections, Settiana G. Krishnasamy and Archibald N. Sherbourne, TN: ST3:Mar 71:1015: 7946

Ice
All-Weather Tanker Terminal for Cook Inlet, Alaska, William S. Gaither and Robert E. Dalton, WW2: May 69:131:6549
TR:136:652
Field Tests of Ice Jam Prevention Techniques, Julius H. Moor and Carl H. Watson, HY6:June 71:777: 8179
Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
Pile Tips and Barbs Prevent Ice Uplift, James E. Muschell, CE:June 70:41
TR:136:433
Tellurometer Ground Swing Over Ice Surface, Thomas A. Asbeck and James L. Clapp, SU1:May 71:53:8149

Ice Breakup
Control of Ice Jams at Barrett Chute G.S., David R. Townsend, PO3:July 71:597:8244

XUM

Ice Jams
Control of Ice Jams at Barrett Chute G.S., David R. Townsend, PO3:July 71:597:8244

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The Pressure of Floating Ice-fields on Piles, Joachim Schwarz, 12CEC:pp.1523-1536, 1971

Idle Time
Queueing at Single-Berth Shipping Terminal, Alan J. Miller, WW1:Feb 71:43:7895

Illinois
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71
Evaluating the Transit System and Access to Jobs in Chicago, Martin Wachs and Joseph L. Schofer, Preprint No.1449, July 71
Restructuring Freight Transportation in Chicago, James Robert Blaze, Preprint No.1441, July 71

Images
Depth to Ground-Water Table by Remote Sensing, M. Abdel-Hady and Harlan H. Karbs, IR3:Sept 71: 355:8360

Impact
Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
Damage to Structures Due to Floor Shocks, Nelson M. Isada, ST2:Feb 71:561:7897
Design Criteria for Fenders and Berthing Structures, Brendan F. Saurin, BMS:pp.256-259, 1971
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TR:136:932
Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
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Periodic Excitation of Multiple-Unit Impact Dampers, S. F. Masri, EM6:Dec 70:1195:7747
TR:136:1321
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Impact Loads
Impactive Dynamic Analysis, Manuel A. Suarez, Preprint No.1406, Apr 71

Impact Tests
Low Velocity Projectile Penetration, Wen L. Wang, SM12:Dec 71:1635:8592

Imperfections
Ultimate Strength of Plates in Uniaxial Compression, Archibald N. Sherbourne and R. M. Korol, Preprint No.1386, Apr 71

Impervious Soils
Experiments of Wave Reflexion on Impermeable Slopes, Carlos de Campos Moraes, 12CEC:pp.509-521, 1971

Impoundments
Chemistry of N and Mn in Cox Hollow Lake, Wis., Following Destratification, Patrick L. Brezonik, Joseph J. Delfino and G. Fred Lee, SA5:Oct 69: 929:6850
TR:136:790

Improvement
The Postponement of Obsolescence in Ferries, F. M. Conner, Preprint No.1432, July 71

Impulses
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
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Impulse Waves Generated by Landslides, J. William Kamphuis and R. J. Bowering, 12CEC:pp.575-588, 1971
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Incineration
Chicago's Northwest Incinerator, Milton Pikarsky, CE:Sept 71:55
Incinerator-Residue-Fill Site Investigation, R. J. Schoenberger and A. A. Fungaroli, Preprint No.1322, Jan 71
Incinerator-Residue-Fill Site Investigation, Robert J. Schoenberger, SM10:Oct 71:1431:8451

Incinerators
Incinerator-Residue-Fill Site Investigation, R. J. Schoenberger and A. A. Fungaroli, Preprint No.1322, Jan 71
Incinerator-Residue-Fill Site Investigation, Robert J. Schoenberger, SM10:Oct 71:1431:8451
New Municipal Incinerator Defeats Pollution/ Corrosion Problems, Eugene S. Backus, CE:Dec 71: 48
Residue Characterizations, Robert J. Schoenberger and Paul W. Purdom, SA3:June 69:387:6590
TR:136:735

Inclinometers
Recording Inclinometer for Measuring Soil Movement, Leslie G. Bromwell, Christopher R. Ryan and William E. Toth, 4PCSM:pp.333-343, 1971

Inclusions
Chicago's Northwest Incinerator, Milton Pikarsky, CE:Sept 71:55

Incremental Costs
Multi-year Construction Contracts, Donald A. Patrick, CE:Jan 71:65

Indexes (Documentation)
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132

India
Study of Mudbanks along the Southwest Coast of India, N. S. Moni, 12CEC:pp.739-750, 1971
Wave Forecasting for the West Coast of India, Jade Dattatri and P. S. Renukaradhya, 12CEC:pp.203-215, 1971

Induction Motors
Low-speed Operation of the Linear Induction Motor Test Vehicle, K. M. Chirgwin, Preprint No.1504, July 71
PWM Inverter Induction Motor Transit Car Drives, Norman Vutz, Preprint No.1473, July 71

Industrial Management
Electrified Railroads -- A Catalyst in the Economy, Donald R. Austin, Preprint No.1434, July 71

Industrial Parks
Planning Industrial Areas for Barge Ports, E. A. Brinkman and George F. West, Preprint No.1566, Oct 71

Industrial Wastes
Analysis of Equalization Basins, Alfred T. Wallace, SA6:Dec 68:1161:6310
TR:136:713
Collection of Oil Slicks, Ralph H. Cross and David P. Hoult, WW2:May 71:313:8122
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405
Economics from the Viewpoint of Industry, Nelson L. Nemerow, CWFE:Mar 71:279
Hydrology of Spray-Runoff Wastewater Treatment, Richard E. Thomas, James P. Lae, Jr. and Curtis C. Harlin, IR3:Sept 70:289:7538
TR:136:1150
Industrial Waste Surcharges, Robert L. Coughlin, CWFE:Mar 71:323
Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71:42
Lignosulphonates in Lake Paijanne Water, Seppo Priha, SA2:Apr 71:191:8021
Mini Automobile-shredding Plant for Western Michigan, Charles E. Haltenhoff, CE:Apr 71:55
Monte Carlo Simulation of Industrial Waste Discharges, Paul M. Berthouex and Linfield C. Brown, SA5:Oct 69:887:6836
TR:136:318
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247:8163
Recent Paper Industry Waste Treatment Systems, William J. Gillespie, SA2:Apr 70:467:7234
TR:136:857
Versatility and Expandability of Pretreatment, Rolf Eliassen and D. F. Coburn, SA2:Apr 69:299:6514
TR:136:1038

Industrial Waste Treatment
Collection of Oil Slicks, Ralph H. Cross and David P. Hoult, WW2:May 71:313:8122

Industries
Economics from the Viewpoint of Industry, Nelson L. Nemerow, CWFE:Mar 71:279

Inertia
Rotary Flow Meter as Turbulence Transducer, Erich J. Plate and James P. Bennett, EM6:Dec 69:1307:6955
TR:136:364

Infiltration
Analytical Treatment of Two-Phase Infiltration, Richard L. Brustkern and Hubert J. Morel-Seytoux, HY12:Dec 70:2535:7743
TR:136:1316
Graphic Relation of Intake Length-of-Run and Time, I-pai Wu and A. Alvin Bishop, IR3:Sept 70:223:7506
Infiltration Equations from Rate-of-Advance Data, Donald I. Norum and Don M. Gray, IR2:June 70:111:7331
TR:136:696
One-Dimensional Infiltration into Layered Soils, Yu-Si Fok, IR2:June 70:121:7343
Potable Water Availability on Long Oceanic Islands, Eugene W. Rochester, Jr. and George J. Kriz, SA5:Oct 70:1235:7627
TR:136:1019
A Proposed Watershed Retention Function, Willard M. Snyder, IR1:Mar 71:193:7979
What's New in Water and Sewer Pipe, Kneeland A. Godfrey, Jr., CE:Oct 70:46
TR:136:894

Infiltrometers
Infiltration Equations from Rate-of-Advance Data, Donald I. Norum and Don M. Gray, IR2:June 70:111:7331
TR:136:696

Information Retrieval
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505
International Abstracts Section, Committee on Information Retrieval, Joseph M. DeSalvo, Chmn., SA8:Aug 71:1145:8341
International Abstracts Selection, Committee on Information Retrieval, Joseph M. DeSalvo, Chmn., SM1:Jan 71:313:7848
Man-Oriented Program System for Engineering, George Rabe and Vincent A. Trossello, ST1:Jan 71:223:7850
Practical Continuing Education for the Individual Engineer, Russel C. Jones, CE:Feb 70:66
TR:136:105

Information Systems
Coordinates Versus Confusion, Robert T. Howe, SU2:Sept 70:191:7528
Development of a Real-time Freeway Information System, Conrad L. Dudek and Carroll J. Messer, Preprint No.1471, July 71
Specs-A Specification Production Computer System, Joseph M. Sussman, Robert D. Logcher and Howard D. Stotland, ST1:Jan 71:425:7844

Infrared Detection
Thermal Discharge: A Model-Prototype Comparison, Peter D. Hindley, Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580

Injection Wells
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71

Inland Waterways
Implication of Systems Analysis to Inland Navigation, DuWayne A. Koch, WW3:Aug 71:559:8302
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203
Ocean Tug-Barge Systems, L. R. Glosten, Preprint No.1423, July 71
The Puget Sound Ferry System, Lindsley Wilson, Preprint No.1428, July 71

Inlets (Waterways)
Unsteady Flow in Channel of Variable Cross Section, John Ellis, HY10:Oct 70:1927:7583
TR:136:1264

XUM

Innovation
Alternative Paths to Guideway Transportation, William F. Hamilton, UTI:pp.385-403, 1971
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Introduction to Section IV: Transportation Innovation -- Directions and Strategy, Charles Baker, Chmn., UTI:pp.325-326, 1971
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Inorganic Compounds
Effect of Inorganics on Disinfection by Halogens, Lawrence N. Kuzminski, Tsuan H. Feng and Chih C. Liu, NSCD:pp.85-111, 1971

Inspection
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934
Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576
Fracture Analysis of King's Bridge, Melbourne, Ronald B. Madison and George R. Irwin, ST9:Sept 71:2229:8377
Inspect Bridges Now, Avoid Problems Later, Chester F. Comstock, CE:Nov 71:66
Inspection of Steel Bridges For Fatigue Damage, by the Subcommittee on Inspection of Steel Bridges for Fatigue of the Task Committee on Structural Fatigue of the Structural Division, Ivan M. Viest, Chmn., ST8:Aug 71:2107:8321
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939
Safety Inspection Of Hydro Projects-FPC Order 315, Arthur Martin, Jr., PO2:Mar 71:449:7958

Installing
Guide for the Design of Aluminum Formed-Sheet Building Sheathing, Robert B.B. Moorman, Chmn, ST8:Aug 69:1727:6744
TR:136:195

Instructors
The Ethics of Teacher Evaluation, Chester Lee Allen, PP1:Oct 71:153:8465

Instrumentation
Integrating-Float Measurements at Low Velocities, Henry Liu and Larry D. Martin, HY1:Jan 70:143: 7027
TR:136:423
Load Transfer in Earth and Rockfill Dams, L. Radley Squier, SM1:Jan 70:213:7004
TR:136:414
Measured Performance of Braced Excavation, T. William Lambe, L. Anthony Wolfskill and Ing H. Wong, SM3:May 70:817:7307
TR:136:950
Ocean Wave Research in Southern Africa, J. A. Zwamborn, C. van Schaik and A. Harper, 12CEC: pp.13-31, 1971
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual, Vito A. Vanoni, HY5:Sept 69:1515:6757
TR:136:798
Slurry Wall Construction for BART Civic Center Subway Station, J. George Thon and Richard C. Harlan, SM9:Sept 71:1317:8361

Instruments
Equipment for Field Deformation Measurements, C. John Dunnicliff, 4PCSM:pp.319-332, 1971
Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Structural Reaction Dynamometers, M. Daniel Vanderbilt, ST6:June 71:1701:8188

Insulation
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Sanitary Sewer Extension: Built Above Ground, R. Andrew Easley, Jr., CE:Apr 71:66

Intake Structures
Multilevel Outlet Works at Four Existing Reservoirs, Gary H. Austin, Donald A. Gray and Donald G. Swain, HY6:Nov 69:1793:6877
TR:136:246
Pump Storage at DeGray Dam, Robert G. Burnett and William M. Rankin, Preprint No.1414, Apr 71

Intake Systems
Novel Construction Concept for Raw-Water Intake, Carlton T. Wise and Doyle D. Gillespie, CE:June 71:43

Interactions
Approximate Solution of Beam-columns, Wai F. Chen, TN: ST2:Feb 71:743:7861

Inter-Agency Cooperation
Case Studies of Interdisciplinary Team Efforts in Environmental Design, Eugene D. Jones, ABS: pp.75-81, 1971
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Goals of the Conference, William J. Hedley, ABS: pp.v-vii, 1971
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Interchanges
High-mount Interchange Lights, Richard C. LeVere, CE:May 71:44
The 1-Point Procedure, R. A. Georgi, CE:Feb 71:60
Dsc: Thomas C. Coleman, CE:July 71:56

Interfaces
Measurement of Density Currents in an Idealized Model, Timm Stuckrath, 12CEC:pp.1979-1993, 1971

Intersections
The 1-Point Procedure, R. A. Georgi, CE:Feb 71:60
Dsc: Thomas C. Coleman, CE:July 71:56

Interstate Transportation
Communications Substitutes for Intra-urban Travel, Richard C. Harkness, Preprint No.1453, July 71
Technology and Intercity Trucking, Richard A. Lill, Preprint No.1442, July 71

Invariance
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424

Inverter Circuits
PWM Inverter Induction Motor Transit Car Drives, Norman Vutz, Preprint No.1473, July 71

Investigations
Model Investigation of Berthing Impacts, Robert C. H. Russell, BMS:pp.215-219, 1971
Soils Engineering For Wells Project, Harris H. Burke, PO2:Mar 71:317:7976

Investments
Financing Metro, William I. Herman, TE4:Nov 70: 571:7680
TR:136:1291

Iodine
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, SA6:Dec 71:801:8567
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Ions
Bactericidal Properties of Chlorsulfamates, John E. Delaney and J. Carrell Morris, NSCD:pp.61-84, 1971

Iron
Iron Removal Using Magnesium Oxide, John T. O'Connor and Barrett E. Benson, SA6:Dec 70: 1335:7740
TR:136:1328

Iron Compounds
Anaerobic Digestion of Sludge Containing Iron Phosphate, Sudershan Malhotra, Thomas P. Parrillo and Alan Gene Hartenstein, SA5:Oct 71:629:8432

Iron Oxides
Pennsylvania Erases Its Mining Scars, Alfred C. Ackenheil, CE:Oct 70:54
TR:136:934

Irradiation
Irradiation Applications to Material Development, George J. Rotariu, Preprint No.1533, Oct 71

Irrigation
Alfalfa Water Table Investigations, Rhys Tovey, IR4: Dec 69:525:6974
TR:136:316
Algorithm For Adjusting Stream Stage Records, William C. Mills and Willard M. Snyder, IR1:Mar 71:51:7955
Allocating Water Among Alternative Uses, John E. Reynolds, IR1:Mar 71:85:7978
Arizona Weather Modification Research Program, Paul B. MacCready, Jr., IR2:June 70:103:7324
TR:136:747
Automatic Cutback Furrow Irrigation System Design, Ion Nicolaescu and E. Gordon Kruse, IR3:Sept 71: 343:8358
Automation for Small Irrigation Projects, Theodore E. Mann, Preprint No.1289, Jan 71
Automation For Small Irrigation Projects, Theodore E. Mann, IR3:Sept 71:501:8344
Bentonite Sealing Methods Compared in the Field, Myron B. Rollins and Anthony S. Dylla, IR2:June 70:193:7379
TR:136:959
Biological Control of Aquatic Weeds, Robert D. Blackburn, David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362
Development of Automation on Salt River Project, Henry Shipley, IR2:June 70:151:7373
TR:136:918
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078
Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208
Evaluating Watershed Management Alternativee, Harry E. Brown, IR1:Mar 71:93:7952
Evaporation Reduction with Floating Granular Materials, Lloyd E. Myers and Gary W. Frasier, IR4:Dec 70:425:7741
TR:136:1272
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71
Flow Retardance in Vegetated Channel , Nicholas Kouwen, Tharakkal E. Unny, Jr. and Harry M. Hill, IR2:June 69:329:6633
TR:136:77
Free Overfall As Flow Measuring Device, Sebastian W. Bauer and Walter H. Graf, IR1:Mar 71:73:7987
Graphic Relation of Intake Length-of-Run and Time, I-pai Wu and A. Alvin Bishop, IR3:Sept 70:223: 7506
Ground Water Management-A Progress Report, Jack J. Coe, IR1:Mar 71:149:7971
High Plains Irrigation and Texas Water Plan, Dan M. Wells, IR1:Mar 71:123:7960
Hydrologic Response of Watersheds to Land Use Management, Louis M. Glymph, Heggie N. Holtan and Charles B. England, IR2:June 71:305:8174
Hydrology of Spray-Runoff Wastewater Treatment, Richard E. Thomas, James P. Lae, Jr. and Curtis C. Harlin, IR3:Sept 70:289:7538
TR:136:1150
Infiltration Equations from Rate-of-Advance Data, Donald I. Norum and Don M. Gray, IR2:June 70: 111:7331
TR:136:696
Irrigation Channel Structures, Victoria, Australia, Keith A. Murley, IR2:June 70:131:7371
The Lower Mekong Development Program, Leon W. Damours, CE:July 70:58
TR:136:541
Management Structure for Irrigation, Richard A. Smith, IR4:Dec 70:475:7722
Mathematical Model of Leaky Aquifer, Robert Bibby and Daniel K. Sunada, IR3:Sept 71:387:8350
Mechanical Structures for Farm Irrigation, Allan S. Humpherys, IR4:Dec 69:463:6944
TR:136:102
The Metropolis Runs Dry, Richard A. Hogarty, IR4: Dec 71:559:8563
Model For Farm Irrigation in Humid Areas, James S. Windsor, IR3:Sept 71:369:8355
New Water for Northern Plains, Richard A. Schleusener, IR1:Mar 70:53:7145
TR:136:559
One-Dimensional Infiltration into Layered Soils, Yu-Si Fok, IR2:June 70:121:7343
Operation and Maintenance of Colorado Aqueduct, Henry J. Mills, IR1:Mar 71:203:8007
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71: 601:8613

XUM

Opportunities for Water Salvage, Lloyd E. Myers, CE:Jan 70:41
TR:136:19
Optimal Allocation of Stochastic Water Supply, Warren A. Hall and David T. Howell, IR4:Dec 70: 395:7718
Optimal Design of Furrow Length of Surface Irrigation, I-pai Wu and Tung Liang, IR3:Sept 70: 319:7543
Physics of Desaturation in Porous Materials, Nikolas F. White, Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878
Predicting Irrigation Requirements of Crops, Wilfredo P. David and Edward A. Hiler, IR3:Sept 70:241: 7507
TR:136:1037
Probability Distribution of Annual Droughts, Eratakulan S. Joseph, IR4:Dec 70:461:7727
A Proposed Watershed Retention Function, Willard M. Snyder, IR1:Mar 71:193:7979
Public Irrigation Systems In Puerto Rico, Garcia Rafael Reyes, IR1:Mar 71:109:7953
Public Policy Issues in Weather Modification, Dean E. Mann, IR3:Sept 69:375:6772
TR:136:1218
Rational Design of Wall Screens, Satya P. Garg and Jagroshan Lal, IR1:Mar 71:131:7969
Rational Model Describing Slope Erosion, Dale L. Rowlison and Glen L. Martin, IR1:Mar 71:39:7981
Regime Theory Design of Canals with Sand Beds, Thomas Blench, IR2:June 70:205:7381
TR:136:1001
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721
Role of Irrigation in the West's Expanding Economy, Floyd E. Dominy, IR4:Dec 68:401:6281
TR:136:579
Satisfying Water Needs in Southern California, Jack J. Coe, IR2:June 71:233:8193
Scheduling Irrigations Using Climate-Crop-Soil Data, Marvin E. Jensen, David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524
Sedimentation of Reservoirs, I. C. dos M. Pais-Cuddou and Shri N. C. Rawel, IR3:Sept 69:415: 6789
TR:136:183
Silver Iodide Generators and Public Health, William J. Douglas, IR3:Sept 70:273:7535
TR:136:1161
Simulation of Water Yield from Devegetated Basins, George Fleming, IR2:June 71:249:8175
Simulation of Wind Effects on Sprinkler Performance, Stephen V. Allison and Victor L. Hesse, IR4:Dec 69:537:6978
TR:136:1207
Status of Pilot Watershed Studies in Arizona, Harry E. Brown, IR1:Mar 70:11:7129
TR:136:452
Status of Weather Modification in Watershed Management, Merlin C. Williams, IR4:Dec 71:585: 8608
Subsurface Irrigation Easily Automated, Sterling Davis and Sheldon D. Nelson, IR1:Mar 70:47:7135
TR:136:483
Subsurface Irrigation System Analysis and Design, Yu-Si Fok and Lyman S. Willardson, IR3:Sept 71: 449:8380
Surface Irrigation Using the Kinematic-Wave MethoS, Cheng-lung Chen, IR1:Mar 70:39:7134
TR:136:813
Tools for Water-Resource Study, Julius H. Dawes, IR4:Dec 70:403:7720
TR:136:1265
Transient Functions for Land Drainage, S. Abdollah Jenab, A. Alvin Bishop and Dean F. Peterson, Jr., IR3:Sept 69:361:6768
TR:136:142
Tunnel Vision or Ecological View, Virginia M. Hine, IR3:Sept 71:397:8368
Use of Runoff Forecasting in Reservoir Operations, Thomas T. Wilson, Jr. and Edib Kirdar, IR3:Sept 70:299:7541
Water Distribution with Traveling Gun Sprinklers, Richard E. Hanson, Preprint No.1321, Jan 71
Weather Modification Regulation, Richard A. Schleusener, IR3:Sept 70:281:7537
TR:136:1139
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Irrigation Canals

Irrigation Channel Structures, Victoria, Australia, Keith A. Murley, IR2:June 70:131:7371
Similarity in Unlined Irrigation Canal Systems, Kenneth V.H. Smith, HY1:Jan 70:13:6993
TR:136:366

Irrigation Design

Research Topics for Small Irrigation Structures, Gaylord V. Skogerboe, Wynn R. Walker, Brent B. Hacking and Lloyd H. Austin, IR3:Sept 70:309: 7542
TR:136:1073

Irrigation Efficiency

Alfalfa Water Table Investigations, Rhys Tovey, IR4: Dec 69:525:6974
TR:136:316
Scheduling Irrigations Using Climate-Crop-Soil Data, Marvin E. Jensen, David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524
Simulation of Wind Effects on Sprinkler Performance, Stephen V. Allison and Victor L. Hesse, IR4:Dec 69:537:6978
TR:136:1207

Irrigation Engineering

Research Topics for Small Irrigation Structures, Gaylord V. Skogerboe, Wynn R. Walker, Brent B. Hacking and Lloyd H. Austin, IR3:Sept 70:309: 7542
TR:136:1073

Irrigation Practices

Development of Automation on Salt River Project, Henry Shipley, IR2:June 70:151:7373
TR:136:918
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078
Graphic Relation of Intake Length-of-Run and Time, I-pai Wu and A. Alvin Bishop, IR3:Sept 70:223: 7506
Predicting Irrigation Requirements of Crops, Wilfredo P. David and Edward A. Hiler, IR3:Sept 70:241: 7507
TR:136:1037

Isotropy

Wave Propagation in Transversely Isotropic, Layered Cylinders, Henry E. Keck and Anthony E. Armenakas, EM2:Apr 71:541:8071

Israel

Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579

Italy

Renewal of Old Centers: A Research Project for Italy, Giorgio M. Bulgarelli, Sergio Roberti and Mario Salsano, Preprint No.1539, Oct 71
Venice is Sinking into the Sea, Carlo Berghinz, CE: Mar 71:67
Dsc: Sterling McKihrick, CE:Mar 71:52

Iteration

Iterative Design Techniques, W. R. Spillers and S. Albanna, Preprint No.1373, Apr 71

Optimization Techniques in Structural Design, George G. Goble, Preprint No.1397, Apr 71

Jackets
Eads Bridge Repaired by Jacking, Bernard H. Spinner, CE:June 71:50

Jamming
Shear Strength Of Sand At Extremely Low Pressures, V. Miguel Ponce and James M. Bell, SM4:Apr 71: 625:8062

Japan
A Civil Engineer's Guide to EXPO 70, Shunta Shiraishi and Yuzo Matsui, CE:Mar 70:43
TR:136:243
Earthquake-proof Design Gives Rise to First Japanese Skyscrapere, Kiyoshi Muto, CE:Mar 71:49
Extension of the New Tokaido Line, Makoto Kato, Preprint No.1519, July 71
Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71: 42
Model Study of Transformation of Tsunamis in Urado Bay, Shigehisa Nakamura, Yuichi Iwagaki and Yoshito Tsuchiya, 12CEC:pp.2089-2102, 1971
Overloads on Japan's 130 mph Railroad Structures, Tatsuo Nishiki and Shunta Shiraishi, ST6:June 70: 1017:7325
TR:136:945
Replacement-Lock and Dam No. 26: History, Objectives and Scope, Edwin R. Decker, WW1:Feb 70:1:7070
TR:136:1183
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Variation of Topography of Sea-bed Caused by the Construction of Breakwaters, Shoji Sato and Isao Irie, 12CEC:pp.1301-1319, 1971

Jet Flow
Heated Surface Jets in a Steady Crosscurrent, Robert W. Zeller, John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385
Surface Disturbance from Submerged Jet, Norbert L. Ackermann, Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236

Jet Propulsion
Impulse Jet Vehicles, Gunnar Mouritzen, Preprint No.1422, July 71

Jets
Behavior of Buoyant Jet in Calm Fluid, Habib O. Anwar, HY4:July 69:1289:6688
TR:136:93
Forces From Submerged Jets, Norbert L. Ackermann and Rodolfo Undan, HY11:Nov 70:2231:7675
Heated Surface Jets in a Steady Crosscurrent, Robert W. Zeller, John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385
Horizontal Surface Discharge of Warm Water Jets, Nobuyuki Tamai, Robert L. Wiegel and Gordon F. Tornberg, PO2:Oct 69:253:6847
TR:136:719
Power Law Solutions for Vertical Plumes, Richard R. Brock, HY9:Sept 70:1803:7523
Unsteady Spread of Buoyant Surface Discharge, James J. Sharp, HY9:Sept 71:1471:8396

Jetties
Estuary Inlet Channel Stabilization Study Using A Hydraulic Model, Theodore T. Lee, 12CEC: pp.1117-1136, 1971
On Wave Damping in Harbors, Charles E. Lee, WW4:Nov 68:489:6241
TR:136:1107

Job Satisfaction
A Word With The Executive Director About. . . The Quality of Personal Success, William H. Wisely, CE:June 71:37
Dsc: John M. Hayes, Carey H. Brown, Alfred C. Maevis, George L. Jackson and Gordon L. Williams, CE:Dec 71:63

Joint Operations
Is Joint Development the Chicken, or the Egg?, Constantine Sidamon-Eristoff, TE3:Aug 71:469: 8315

Joints (Junctions)
Analytical Study of Tubular Tee-Joints, Alexander C. Scordelis and Jack G. Bouwkamp, ST1:Jan 70:65: 7016
TR:136:532
Bolted Joints Under Sustained Loading, Verl Lobb and Floyd Stoller, ST3:Mar 71:905:7996
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71: 2519:8443
Effect of Surface Coatings and Exposure on Slip, James H. Lee, Colin O'Connor and John W. Fisher, ST11:Nov 69:2371:6889
TR:136:337
Large Bolted and Riveted Shingle Splices, John W. Fisher and Noriaki Yoshida, ST9:Sept 70:1903:7534
TR:136:1049
Moment-Resistance Connections in Precast Concrete, Emile Langlois and Joseph Menec, Jr., ST12:Dec 69:2723:6947
TR:136:1108
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Simply Supported Rectangular Double-Layered Grids, M. J.L. Hussey, A. I. Tarza and W. F.D. Theron, ST3:Mar 71:753:7954
Spaced Steel Columns, Bruce G. Johnston, ST5:May 71:1465:8109
Strength of a Model of Jointed Rock, Edwin T. Brown and D. Hugh Trollope, SM2:Mar 70:685: 7185
TR:136:882
Theoretical Lateral Resistance of Nailed Joints, Thomas Lee Wilkinson, ST5:May 71:1381:8121

Joists
Strength of Models of Rock with Intermittent Joints, Edwin T. Brown, SM6:Nov 70:1935:7697
TR:136:1280

Junctions
Effect of Pipeline Junctions on Water Hammer Surges, Don J. Wood and Shen P'eng Chao, TE3: Aug 71:441:8296
Junction Losses in Laminar and Transitional Flows, Donald K. Jamison and James R. Villemonte, HY7: July 71:1045:8258

Kaolin
Secondary Compression in the Shear of Clays, Leonard K. Walker, SM1:Jan 69:167:6348
TR:136:664

Kaolinite
Strength of Compacted Clay at High Pressure, Kenneth L. Lee and Steven C. Haley, PISST: pp.345-374, 1971

Kinetics
Kinetic Analysis of Data from Biological Systems, Robert L. Irvine and Donald J. Schaezler, SA4:Aug 71:409:8323

Laboratory Tests
Activated Sludge ATP: Effects of Environmental Stress, Patrick L. Brezonik and James W. Patterson, SA6:Dec 71:813:8581
Control of Deformation Rates in Soil Testing, Roy E. Olsen, Vincent J. McDonald and James N. Sterner, TN: SM1:Jan 71:283:7787

XUM

Hydraulically Ventilated Underground Filter, David K. Hills and Ray B. Krone, SA6:Dec 71:851:8596
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Mechanical Properties of Milled Domestic Trash, Ulrich W. Stoll, Preprint No.1319, Jan 71
Rock Mechanics Studies for Mossyrocky Arch Dam, David E. Kleiner and Richard C. Acker, PO1:Jan 71:11:7795
Scope of Experimental and Practical Conditions for Flow in Mobile Bed Channels, Richard H. Cooper, Allan W. Peterson and Thomas Blench, Preprint No.1335, Jan 71
Selection of Chemical Grout for Mattmark Dam, Herbert H. Einstein and Gerold Schnitter, SM6:Nov 70:2007:7684
TR:136:1212
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466

Labor Relations
Engineer Firms Face Unionization, Larry N. Spiller, CE:Apr 71:49
Dsc: Richard Schindler, CE:Aug 71:38
Open-Shop Movement Slithers Into Construction Contracting, Robert N. Olsen, CE:Nov 71:40

Labor Unions
Open-Shop Movement Slithers Into Construction Contracting, Robert N. Olsen, CE:Nov 71:40

Lagoons (Landforms)
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Lagoons (Ponds)
Aerated Lagoons Treat Minnesota Town's Wastes, James B. Neighbor, CE:Dec 70:59
Dsc: Santosh R. Goswami, CE:July 71:40
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Loading Rates on Waste Stabilization Ponds, Larry W. Carter, Andrew Englande, Jr. and Alfred F. Mauldin, Jr., SA6:Dec 69:1117:6975

Lagrangian Functions
Lagrangian Formulation of Statics of Shells, J. P. Shrivastava and Peter G. Glockner, EM5:Oct 70:547:7584
TR:136:1076

Lakes
Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71:321:8545
Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70:2089:7634
TR:136:1271
Computation of Storm Surge, Richard Silvester, 12CEC:pp.1995-12010, 1971
Dissolved Oxygen Variations in Stratified Lakes, David A. Bella, SA5:Oct 70:1129:7628
TR:136:1237
Heated Discharge from Flume into Tank, Heinz Stefan and Frank R. Schiebe, SA6:Dec 70:1415:7762
Impact of Turbidity and Lake Sedimentation, G. Richard Marzolf, Preprint No.1547, Oct 71
Influences of Sedimentation on Water Quality: An Inventory of Research Needs, Robert H. Livesey, Chmn., HY8:Aug 71:1203:8325
Montana Highway and Wildlife Professions Cooperate, John C. Peters, CE:Nov 70:58
Dsc: John C. Peters, CE:Apr 71:71
TR:136:1123
Power Optimization for Prescribed Thermal Pollution, Amir N. Nahavandi and Michael Pappas, PO3:July 71:631:8254
Prediction of Lake Stratification, Yu Leuk Choi and James A. Liggett, Preprint No.1295, Jan 71
Properties of Circulation in Stratified Lakes, James A. Liggett and Kwang K. Lee, HY1:Jan 71:15:7793
Stratification of Flow from Channel into Deep Lake, Heinz Stefan, HY7:July 70:1417:7401
Students Revitalize On-Campus Lake, John G. Gonzales and Paul A. Ferrari, CE:June 71:38

Laminated Wood
Laminated Timber Used in High-Rise Mill Building, L. Elvin Gower, CE:Dec 71:40
Residual Stresses in Curved Laminated Wood Beams, John J. Zahn, ST12:Dec 69:2873:6977
TR:136:475

Laminates
Analysis of Laminated Curved Beams, Antone F. Sayegh and Stanley B. Dong, EM4:Aug 70:471:7495
TR:136:1034
Flexural Vibrations of Laminated Plate, Jan D. Achenbach and Tony R. Zerbe, EM3:June 71:619:8181
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327

Land Acquisition
Land Acquistion Surveys and Maps for Reservoirs, Russell S. Dittmer, SU2:Nov 71:215:8500

Land Development
Role of Irrigation in the West's Expanding Economy, Floyd E. Dominy, IR4:Dec 68:401:6281
TR:136:579
Utilization of Marginal Lands for Urban Development, Philip C. Rutledge, SM1:Jan 70:1:7000
TR:136:397

Landfills
Leaching of Pollutants From Refuse Beds, Syed R. Qasim and Jerry C. Burchinal, SA1:Feb 70:49:7078
TR:136:453

Land Ownership
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
Land Acquistion Surveys and Maps for Reservoirs, Russell S. Dittmer, SU2:Nov 71:215:8500

Land Reclamation
Deterioration and Restoration of Coastal Wetlands, Sherwood M. Gagliano, Hyuck J. Kwon and Johannes L. van Beek, 12CEC:pp.1767-1781, 1971
Displacement Front Under Ponded Leaching, James N. Luthin, Pedro Fernandez Fernandex, B. Maslov, J. Woerner and F. Robinson, IR1:Mar 69:117:6446
TR:136:4
Land Reclamation and Groin-building in the Tidal Flats, Heie Focken Erchinger, 12CEC:pp.1041-1052, 1971
Model Study of Transformation of Tsunamis in Urado Bay, Shigehisa Nakamura, Yuichi Iwagaki and Yoshito Tsuchiya, 12CEC:pp.2089-2102, 1971
Movement of Salts in Ponded Anisotropic Soils, Jaime Ortiz and James N. Luthin, IR3:Sept 70:257:7530
TR:136:1186
Reclaimed Land in Kawasaki City, Japan, T. William Lambe, SM5:Sept 69:1181:6780
TR:136:106

Utilization of Marginal Lands for Urban Development, Philip C. Rutledge, SM1:Jan 70:1:7000
TR:136:397

Landscaping
Aesthetic Factors in Planning and Design of Libby Dam, Sydney Steinborn, PO1:Jan 70:39:6999
TR:136:330
Esthetics of Urban Transportation Facilities, Charles E. De Leuw, TE1:Feb 69:23:6390
TR:136:4

Landslides
Flood Flow Downstream from Slide, Harold P. Guy, TN: HY4:Apr 71:643:8018
Impulse Waves Generated by Landslides, J. William Kamphuis and R. J. Bowering, 12CEC:pp.575-588, 1971
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Water Waves Generated by Landslides in Reservoirs, Robert L. Wiegel, Edward K. Noda, Edward M. Kuba, Dennis M. Dee and Gordon F. Tornberg, WW2:May 70:307:7279

Land Subsidence
Review of Collapsing Soils, John H. Dudley, SM3:May 70:925:7278
TR:136:1305

Land Surveys
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
A New Philosophy on Preservation of Survey Evidence, R. B. Buckner, SU2:Sept 70:213:7540
TR:136:925
Surveying Responsibility of the Engineer-Manager, Daniel J. Watkins, SU1:May 71:1:8101

Land Titles
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
Land Acquistion Surveys and Maps for Reservoirs, Russell S. Dittmer, SU2:Nov 71:215:8500

Land Use
Analysis of BART Impacts on Bay Area Land Use, Douglass B. Lee, Jr., Preprint No.1431, July 71
Behavioral Sciences Investigation, James Kise, ABS:pp.101-107, 1971
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Coordinated Land and Water Planning Proposed to Avoid Killing of Projects, Charles F. Luce, CE:May 71:75
Dsc: Amos Roos, CE:Oct 71:80
Design Concept for Assigning Urban Space, Richard W. Cockfield and Virginia K. Handa, UP2:Dec 71:191:8582
Ecological Values and Regional Planning, Ian McHarg, CE:Aug 70:40
Dsc: Hugo Vervuurt, CE:Dec 70:54; Frank B. Burggraf, Jr., CE:Dec 70:54; John Volkert, CE:Dec 70:54; R. P. Spiro, CE:Dec 70:54; Ralph W. Kiefer, CE:Dec 70:58
TR:136:605
Environmentally Attractive Methods to Store or Use Fly Ash, David E. Kleiner, Preprint No.1555, Oct 71
Flood Damage Alleviation, Engineering or Education?, Howard D. Copp, Preprint No.1310, Jan 71
Framework Studies in the Pacific Southwest, Robert H. Griffin and Wallace R. Christensen, Preprint No.1314, Jan 71
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2:Dec 71:149:8568
Hydrologic Response of Watersheds to Land Use Management, Louis M. Glymph, Heggie N. Holtan and Charles B. England, IR2:June 71:305:8174
Hydrology and Erosion of Loessial Watersheds, Keith E. Saxton, Ralph G. Spomer and Larry A. Kramer, HY11:Nov 71:1835:8523
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Incinerator-Residue-Fill Site Investigation, R. J. Schoenberger and A. A. Fungaroli, Preprint No.1322, Jan 71
Infrastructure Planning: Force Behind Port of Rotterdam's Growth, Sverre E. Bergh, CE:May 71:79
Joint Utilization of Rights-of-Way, F. J. Stastny, Preprint No.1534, Oct 71
Let It Erode - to a Point, Clifford C. Hood, Preprint No.1348, Jan 71
Mobile Home Parks and American Municipalities, Stephen Sussna, UP2:Dec 71:139:8562
The New City of Columbia, Md., Edwin Baker, CE:Sept 70:57
TR:136:715
Planning for a New Town, Daniel W. Moore, UP1:Apr 71:79:8065
Principles and Procedures in Flood Plain Management, James E. Goddard and John W. Weathers, HY4:July 69:1321:6696
TR:136:108
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Proposals for Gaining Acceptance for Gaining Acceptance for Urban Freeways, Andrew S. Balbiani, Richard J. Naish and Daniel M. Reisner, TE4:Nov 70:585:7672
TR:136:1278
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459
TR:136:1032
Public Participation in Urban Water Planning, Thomas C. Ferrara, Karl M. Romstad and William K. Johnson, UP2:Dec 71:179:8585
Residential-Recreation Development, Alan T. Hill, CE:Dec 71:60
Role of Economics in Planning Flood Plain Use, L. Douglas James, Preprint No.1552, Oct 71
Social Considerations of Urban Transportation Systems, Robert L. Morris, TE3:Aug 70:333:7471
TR:136:1172
Space Consumption - The Emphysema of Transportation, Bruce M. Davidson, Preprint No.1503, July 71
Staging of Highway Improvements for Urban Growth, John W. Dickey and Martin P. Azola, Preprint No.1512, July 71
Urbanization's Drainage Consequence, Paul O. Reimer and Joseph B. Franzini, UP2:Dec 71:217:8600
Use of Air Rights over Urban Expressw , Thomas F. Airis, TE2:May 69:357:6550
TR:136:641
Use of Sociology in Design Practice, Robert Gutman, ABS:pp.109-114, 1971

Land Use Zoning
Principles and Procedures in Flood Plain Management, James E. Goddard and John W. Weathers, HY4:July 69:1321:6696
TR:136:108

Laser Beams
Laser Alignment Techniques Utilized in Tunneling, Austin Cooney, SU2:Sept 70:229:7545
TR:136:967
Limitations on the Measurement of Turbulence Using a Laser Doppler Velocimeter, W. K. George and J. L. Lumley, Preprint No.1345, Jan 71

XUM

Lasers
Laser Multilateration, Theodore H. Wirtanen, SU1: Oct 69:81:6843
TR:136:529
Particle Velocity Measurements with a Laser Device, C. A. Greated and Norman B. Webber, 12CEC: pp.1951-1957, 1971
Short-range EDM: Big Boost for Surveyors, Eugene E. Dallaire, CE:Feb 71:69

Lateral Forces
Behavior of Laterally Loaded Piles: I-Single Piles, Harry G. Poulos, SM5:May 71:711:8092
Behavior of Laterally Loaded Piles: II-Pile Groups, Harry G. Poulos, SM5:May 71:733:8093
Design of Columbia River Pile Dikes, Robert O. Dodge, Preprint No.1424, July 71
Frequency Analysis of Thin-walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, Preprint No.1358, Apr 71
Model Study of Passive Pressure in Sand, Jagdish Narain, Swami Saran and P. Nandakumaran, SM4: July 69:969:6655
TR:136:708
Predicted Performance of a Braced Excavation, Hugh Q. Golder, James P. Gould, T. William Lambe, Gregory P. Tschebotarioff and Stanley D. Wilson, SM3:May 70:801:7292
TR:136:928

Lateral Pressure
Analysis of Asymmetrical Coupled Shear Walls, Arthur C. Heidebrecht and R. David Swift, ST5: May 71:1407:8100
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, Mehran Lashkari, Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71
Lateral-Load Analysis of Asymmetric Multistory Structures, Jacob Gluck, ST2:Feb 70:317:7089
TR:136:819
Lateral Load Capacity of Piles in Sand and Normally Consolidated Clay, Awtar Singh, Richard E-Wei Hu and Robert D. Cousineau, CE:Aug 71:52

Lateral Stability
Lateral Stability of Nonuniform Cantilevers, Campbell Massey and Peter J. McGuire, EM3:June 71:673:8172

Lattice Design
Macro Approach to Discrete Field Analysis, Donald L. Dean and Hota V.S. GangaRao, EM4:Aug 70: 377:7463
TR:136:996

Launching
Railway Box-girder Bridge Erected by Launching, Jackson L. Durkee, Preprint No.1416, Apr 71

Laws
Civil Engineering Education for the 1970's, Edward G. Nawy, CE:Aug 71:70

Layout
Construction Control by Programmetric Methods, George P. Katibah, SU1:Oct 69:1:6809
TR:136:1084
Optimum Beam Layout for Large Areas, Paul Grundy, ST8:Aug 71:2085:8304

Leaching
Displacement Front Under Ponded Leaching, James N. Luthin, Pedro Fernandez Fernandez, B. Maslov, J. Woerner and F. Robinson, IR1:Mar 69:117:6446
TR:136:4
Incinerator-Residue-Fill Site Investigation, Robert J. Schoenberger, SM10:Oct 71:1431:8451
Leaching of Pollutants From Refuse Beds, Syed R. Qasim and Jerry C. Burchinal, SA1:Feb 70:49:7078
TR:136:453
Movement of Salts in Ponded Anisotropic Soils, Jaime Ortiz and James N. Luthin, IR3:Sept 70:257: 7530
TR:136:1186

Leakage
Mathematical Model of Leaky Aquifer, Robert Bibby and Daniel K. Sunada, IR3:Sept 71:387:8350
Plastic Liners for Candu Containment Structures, E. C. Smith, Preprint No.1307, Jan 71

Learning Curve
Learning and Experience Curves, Marvin Gates and Amerigo Scarpa, Preprint No.1393, Apr 71

Least Squares Method
Linearizing Weight Factors For Least-Squares Fitting, Llewellyn E. Jones, HY5:May 71:665:8089
Rapid Determination of Plasticity Index, Roland A. Pettitt, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59

Legislation
Action in Public Affairs - A Way of Life, James W. McPhillips, Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71
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TR:136:811
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TR:136:852
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TR:136:767
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TR:136:1166
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TR:136:1139
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TR:136:1262
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TR:136:874
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TR:136:1005
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TR:136:1318
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TR:136:897
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Mission of U.S. Lake Survey, James E. Bunch, SU2: Sept 70:181:7527
TR:136:946

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Space Resection from Collinearity Conditions, Kunwar K. Rampal, SU2:Nov 71:205:8520

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Collapse Load Analysis Using Linear Programming, Donald E. Grierson and Graham M. L. Gladwell, ST5:May 71:1561:8127
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TR:136:589
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TR:136:1251
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TR:136:399

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TR:136:325

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Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
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TR:136:959
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TR:136:405
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TR:136:549
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TR:136:60

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TR:136:271
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TR:136:1302
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TR:136:155
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TR:136:499
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TR:136:856
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TR:136:819
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TR:136:477
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XUM

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TR:136:175
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TR:136:134

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TR:136:831
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TR:136:68
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TR:136:15
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TR:136:501
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TR:136:844
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TR:136:88
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TR:136:761
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TR:136:1314
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TR:136:108
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TR:136:1190

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TR:136:790

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Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, Preprint No.1344, Jan 71
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
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Map Control by Electronic Surveys, William A. McLaughlin, SU1:Apr 70:81:7226
TR:136:1146
Mapping for Changing Environment, Morris M. Thompson, SU1:Oct 69:35:6818
TR:136:339
Mississippi Valley Mapping, Leslie B. Robison, SU1: May 71:103:8102
National Mapping for Urban Areas, Robert H. Lyddan, SU2:Sept 70:143:7520
TR:136:849
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203
Orthophotomapping for Prudhoe Bay Development, Thomas J. O'Brien, SU2:Nov 71:199:8499
Rounds Versus Positions, Mohamed F. Madkour, SU1:Oct 69:151:6862
TR:136:679
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The Survey Engineer - A Rare Species, Arthur J. McNair, SU1:Apr 70:37:7197
TR:136:1135
Topographic Maps for Construction Planning, Robert H. Lyddan, SU1:Apr 70:51:7221
TR:136:762

Maps
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
National Mapping for Urban Areas, Robert H. Lyddan, SU2:Sept 70:143:7520
TR:136:849
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203
Philadelphia-Lindenwold High-Speed Line Surveys, Carl E. Hultin, SU1:May 71:7:8096
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Marinas
Floating Breakwater for Reservoir Marinas, Kenneth Chen and Robert L. Wiegel, 12CEC:pp.1647-1666, 1971
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TR:136:433
Planning for Pleasure Boating on Regional Basis, Ellsworth J. Gullidge and Frank J. Urabeck, WW3: Aug 70:583:7453
TR:136:1041
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Marine Clays
Engineering Properties of Some Sea-Floor Deposits, George H. Keller, SM6:Nov 69:1379:6907
TR:136:289

Marine Geology
Engineering Properties of Some Sea-Floor Deposits, George H. Keller, SM6:Nov 69:1379:6907
TR:136:289

Marine Terminals
All-Weather Tanker Terminal for Cook Inlet, Alaska, William S. Gaither and Robert E. Dalton, WW2: May 69:131:6549
TR:136:652

Marine Transportation
Effect of Technological Advances on the Steamship Industry, Anthony J. Tozzoli, Preprint No.1517, July 71
Ocean Tug-Barge Systems, L. R. Glosten, Preprint No.1423, July 71
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750
TR:136:1092

Marketing
Transit Marketing in Chicago, George Krambles, TE2:May 71:361:8134

Markov Processes
Markov Models for Flow Regulation, Moshe Gablinger and Daniel P. Loucks, HY1:Jan 70:165: 7031
Markov Renewal Model of Linked Trip Travel Behavior, Gorman Gilbert, George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71

Maryland
Calvert Cliffs - Focus on Structures, Donald T. Ward and Clifford M. Robinson, Jr., Preprint No.1408, Apr 71
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Masonry
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Strain in Brick Wall of Five-Story Building, J. G. Stockbridge, ST12:Dec 69:2955:6979
TR:136:793
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593: 8143

Mass
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Mass Transportation
Impact of Rail Transit on Bus Operations, Richard H. Pratt, TE1:Feb 71:31:7881
The Impact of Staggered Work Hours on Public Transportation, Roger H. Gilman, NA:Mar 71:91
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TR:136:1051
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The Other Side of "The Highway Explosion", Carlton D.C. Robinson, CE:Feb 71:47
Dsc: Paul J. Costic, III, CE:July 71:40
Philadelphia Regions' Urban Corridor Demonstration Program, Ira N. Pierce, NA:Mar 71:161
The Role of VTOL Aircraft in Urban Mass Transportation, F. N. Piasecki, NA:Mar 71:85
Small Budget Rapid Transit, Louis T. Klauder, NA: Mar 71:69
Urban Transportation - A Persistent Paradox, John C. Kohl, NA:Mar 71:61

Materials
Barge-Coal Handling at A.S. King Generating Plant, Arthur V. Dienhart and Norris R. Fitch, PO3:June 70:299:7322
TR:136:500
Fluid-Dynamic Consideration of Bottom Materials, Hormoz Pazwash and James M. Robertson, HY9: Sept 71:1317:8374
Irradiation Applications to Material Development, George J. Rotariu, Preprint No.1533, Oct 71
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Orthotropic Elastic Properties of Wood, James R. Goodman and Jozsef Bodig, ST11:Nov 70:2301: 7682
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Materials Engineering
Irradiation Applications to Material Development, George J. Rotariu, Preprint No.1533, Oct 71

Materials Handling
Impending Improvements in Soft Ground Tunneling, C. T. Brandt, Preprint No.1509, July 71

Materials Tests
Orthotropic Elastic Properties of Wood, James R. Goodman and Jozsef Bodig, ST11:Nov 70:2301: 7682
Statistical Theory in Materials Sampling, Norman J. Cohen, CO1:Mar 71:95:8005
Technique for Study of Granular Materials, Stephen J. Windisch and Michel Soulie, SM4:July 70:1113: 7389
TR:136:1310
Wave Propagation in Confined Clay, Delon Hampton, Peter J. Huck and Ernest T. Selig, SM4: July 70:1391:7434
TR:136:1020

Mathematical Analysis
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Analysis of Large Complex Hydraulic Turbine Components, Edward J. Yanek, Preprint No.1410, Apr 71
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TR:136:68
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TR:136:1232
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Macro Approach to Discrete Field Analysis, Donald L. Dean and Hota V.S. GangaRao, EM4:Aug 70:377:7463 TR:136:996
Markov Renewal Model of Linked Trip Travel Behavior, Gorman Gilbert, George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71
Mathematical Model for Aggregate Plant Production, Donn E. Hancher and John A. Havers, TN: CO1:Mar 71:171:7972
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Model For Farm Irrigation in Humid Areas, James S. Windsor, IR3:Sept 71:369:8355
Model for Nonlinear Dynamics of Offshore Towers, Edward Terence Foster, Jr., EM1:Feb 70:41:7093 TR:136:513
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Statistical Experimental Design: BOD Tests, Paul M. Berthouex and William G. Hunter, SA4:Aug 71:393:8286
Statistical Model of Turbulence in Sediment-Laden Streams, W. J. Conover and N. C. Matalas, EM5:Oct 69:1063:6814 TR:136:294
Terminal Access and the Choice of Intercity Modes, Edward A. Beimborn, TE3:Aug 69:463:6731 TR:136:117
Theoretical Evaluation of Filter Modeling Experiments, Charles R. Ott and Richard H. Bogan, SA2:Apr 70:455:7233 TR:136:838
Tidal Waves in Schematic Estuaries, Hans Vollmers and Jurgen Sundermann, 12CEC:pp.2133-2145, 1971
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Urban Runoff by Road Research Laboratory Method, Michael L. Terstriep and John B. Stall, HY6:Nov 69:1809:6878 TR:136:274
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449
Vehicle-roadway Interaction Studies by a Mathematical Model, Hayes E. Ross, Jr. and Don L. Ivey, Preprint No.1451, July 71
Water Quality Model of Chlorides in Great Lakes, Donald J. O'Connor and John A. Mueller, SA4:Aug 70:955:7470 TR:136:1144
Water Quality Simulation Model, George R. Grantham, John C. Schaake, Jr. and Edwin E. Pyatt, SA5:Oct 71:569:8429
Water Resources Planning Model, John F. Brotchie, TN: HY10:Oct 71:1801:8413
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Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Mathematical Programming

Determination of Dynamic Forces Using Response Observations, W. D. Pilkey, Preprint No.1403, Apr 71
Material Model for Granular Soils, Frank L. DiMaggio and Ivan S. Sandler, EM3:June 71:935:8212
Optimization Techniques in Structural Design, George G. Goble, Preprint No.1397, Apr 71

Mathematics

Analysis of Equalization Basins, Alfred T. Wallace, SA6:Dec 68:1161:6310 TR:136:713
Decentralized Solid Waste Collection Facilities, Robert M. Clark and Billy P. Helms, SA5:Oct 70:1035:7594
Efficient Solution of Load-Deflection Equations, R. J. Melosh and R. M. Bamford, ST4:Apr 69:661:6510 TR:136:700
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Optimum Design of Trusses for Ultimate Loads, William S. LaPay and George G. Goble, ST1:Jan 71:157:7838
Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280
Unsteady Flow in Channel of Variable Cross Section, John Ellis, HY10:Oct 70:1927:7583 TR:136:1264

XUM

Variational Principle in Fluid Dynamics, Pierre F. Lemieux, Tharakkal E. Unny, Jr. and R. N. Dubey, EM6:Dec 70:1031:7731
TR:136:1252
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Matrices (Mathematics)
Automatic Generation of Finite Element Matrices, Rene W. Luft, Jose M. Roesset and Jerome J. Connor, ST1:Jan 71:349:7841
Bandwidth Minimization of Stiffness Matrices, James G. Crose, TN: EM1:Feb 71:163:7858
Bounding of Frame Buckling Loads, Alfred Korn, ST8:Aug 70:1639:7452
Buckling of Multilayer Plates by Finite Elements, Harry R. Lundgren and Ahmed E. Salama, EM2: Apr 71:477:8051
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Efficient Code for Steady-State Flows in Networ , Robert Epp and Alvin G. Fowler, HY1:Jan 70:43: 7002
TR:136:867
Efficient Solution of Load-Deflection Equations, R. J. Melosh and R. M. Bamford, ST4:Apr 69:661:6510
TR:136:700
Efficient Solutions for Linear Matrix Equations, H. Gordon Jensen and Gary A. Parks, ST1:Jan 70:49: 7007
TR:13:52
Element Stiffness Matrix Generator, Richard H. Gunderson and Ayhan Cetiner, ST1:Jan 71:363: 7842
Folded Plate Structures by Finite Strip Method, Yaukai Cheung, ST12:Dec 69:2963:6985
TR:136:760
Generalized Analysis of Pile Foundations, Lymon C. Reese, Michael W. O'Neill and Robert E. Smith, SM1:Jan 70:235:7032
TR:136:471
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Geometrically Nonlinear Finite-Element Analysis, Carlos Brebbia and Jerome J. Connor, EM2:Apr 69: 463:6516
TR:136:731
Iterative Design Techniques, W. R. Spillers and S. Albanna, Preprint No.1373, Apr 71
Maximum Entropy Mixing in Estuaries, Dominic M. Di Toro, TE4:July 69:1247:6885
TR:136:981
Natural Frequencies of Circular Arches, Joseph A. Wolf, Jr., ST9:Sept 71:2337:8393
Nonlinear Analysis of Cable and Truss Structures, Frank Baron and Mahadeva S. Venkatesan, ST2: Feb 71:679:7937
Numerical Error in Structural Solutions, John R. Roy, ST4:Apr 71:1039:8036
Rigorous Formulas for Effects of Weight Changes, Mohamed F. Madkour, SU2:Nov 71:173:8514
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Theory of Nonlinear Elastic Structures, Graham H. Powell, ST12:Dec 69:2687:6943
TR:136:766

Matrix Algebra
Rigorous Formulas for Effects of Weight Changes, Mohamed F. Madkour, SU2:Nov 71:173:8514

Matrix Methods
Analysis of Asymmetrical Coupled Shear Walls, Arthur C. Heidebrecht and R. David Swift, ST5: May 71:1407:8100
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873
TR:136:669
Complete Adjustment Method for Analyzing Arch Dams, J. Laginha Serafim, J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70: 1711:7492
Conjugate Gradient and Decomposition - Analogy, Moshe R. Rubenstein, TN: ST8:Aug 71:2165:8275
Initial Buckling of Channels in Compression, William H. Wittrick and Frederic W. Williams, EM3:June 71:711:8177
Matrix Force Analysis of Thin-Walled Structures, Dusan Krajcinovic, ST1:Jan 70:107:7024
TR:136:537
Matrix Method for Linear Response of Structures, Gordon B.J. Mah, EM5:Oct 69:1101:6831
TR:136:325
Nonlinear Analysis of Cable and Truss Structures, Frank Baron and Mahadeva S. Venkatesan, ST2: Feb 71:679:7937
Numerical Error in Structural Solutions, John R. Roy, ST4:Apr 71:1039:8036
Over-All and Local Buckling of Channel Columns, Ahmed A. Ghobarah and Wai K. Tso, EM2:Apr 69:447:6513
TR:136:71
Parametric Matrices of Some Structural Members, Leon Ru-Liang Wang, ST8:Aug 70:1735:7494
TR:136:1026
Planning for a New Town, Daniel W. Moore, UP1: Apr 71:79:8065
Stiffness Matrix for Plates by Galerkin's Method, Barna A. Szabo and George C. Lee, EM3:June 69: 571:6608
TR:136:137
Substructure Analysis by Matrix Decomposition, Richard Rosen and Moshe F. Rubinstein, ST3:Mar 70:663:7169
TR:136:862
Tangent Stiffness Matrix for Space Frame Members, Semih S. Tezcan and Bijay C. Mahapatra, ST6:June 69:1257:6627
TR:136:730
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133
Wind Induced Vibration in Light Poles, Hayes E. Ross, Jr. and Thomas C. Edwards, ST6:June 70: 1221:7383
TR:136:986

Mats
Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265

Meanders
Flume Experiments on Alternate Bar Formation, Hai Yain Chang, Daryl B. Simmons and David A. Woolhiser, WW1:Feb 71:155:7869
River Bed Transport Related to Meander Migration Rates, Charles R. Neill, TN: WW4:Nov 71:783: 8491
River Channel Patterns, Shrikrishna V. Chitale, HY1: Jan 70:201:7038
TR:136:931
Water Surface Configuration in Channel Bends, Chinlien Yen and Ben Chie Yen, HY2:Feb 71:303:7928

Measuring Instruments
Boundary Shear Distribution in Open Channel Flow, S. N. Ghosh and N. Roy, HY4:Apr 70:967:7241
TR:136:710
Boundary Shear Stress in Rivers and Estuaries, Ronald E. Nece and Dungan J. Smith, WW2:May 70:335:7280
TR:136:871
Calibration and Use of a Low Velocity Current Meter, Svein Vigander and Walter O. Wunderlich, Preprint No.1349, Jan 71
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Depth-Integrating and Dip Samplers, Walter G. Knisel and Ralph W. Baird, HY2:Feb 70:497:7084
TR:136:569

XUM

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Equipment for Field Deformation Measurements, C. John Dunnicliff, 4PCSM:pp.319-332, 1971
Evaluation of Barometric Leveling, James D. Gruendler, James L. Clapp and Paul R. Wolf, SU1: Apr 70:1:7195
TR:136:702
Fluid Force Analysis and Accelerating Sphere Tests, Wallis S. Hamilton and James E. Lindell, HY6:June 71:805:8195
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177
TR:136:1017
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Linear Proportional Weirs, P. Sreenivasulu and R. Raghavendran, HY2:Feb 70:379:7[illegible]2
TR:136:892
A Man of Hydraulics: Henri de Pitot (1695-1771), Rene Chevray, HY4:July 69:1129:6650
TR:136:803
Map Control by Electronic Surveys, William A. McLaughlin, SU1:Apr 70:81:7226
TR:136:1146
Measuring Building Movement by Precise Survey, J. David Reynolds and John A. Dearinger, SU1:Apr 70:87:7228
TR:136:1069
New Approach to Hydrologic Data Acquisition, Edward J. Langham, HY12:Dec 71:1965:8578
Observational Data on Ground Movements Related to Slope Instability, Stanley D. Wilson, SM5:Sept 70:1519:7508
TR:136:1049
Optical Current Meter Use in Southern California, Thomas S. Chandler and Winchell Smith, HY9:Sept 71:1461:8390
Reevaluation and Reconstruction of California Dams, Clifford J. Cortright, PO1:Jan 70:55:7008
TR:136:368
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TR:136:380
Shock Spectra From Subsurface Nuclear Explosions, Frank W. Galbraith and Robert N. Schreiner, EM5: Oct 68:1015:6140
TR:136:53
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TR:136:1020
Wind Deflection of Tall Concrete Frame Buildings, John F. Wiss and Otto E. Curth, ST7:July 70:1461: 7413

Mechanics

Free Vibration of Hyperbolic Cooling Towers, Mahmoud G. Hashish and Salman H. Abu-Sitta, EM2:Apr 71:253:8037
Free Vibrations of Hyperboloidal Shells of Revolution, Robert L. Carter, Arthur R. Robinson and William C. Schnobrich, EM5:Oct 69:1033:6808
TR:136:260
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Two Nonlinear Beams with Definitions of Ductility, Melbourne F. Giberson, ST2:Feb 69:137:6377
TR:136:799
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Medians (Dividers)

Concrete Median Barrier Safely Redirects Impacting Vehicles, Edwin C. Lokken, CE:Oct 71:77

Medical Personnel

Professional Recognition - How?, Robert B. Thorn, Preprint No.1558, Oct 71
Professional Recognition - How?, Thomas deS. Furman, Preprint No.1559, Oct 71

Membranes

Cable Net: Continuous System Analysis, Hugh Tottenham and Paul G. Williams, EM3:June 70: 277:7347
TR:136:1187
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1: Feb 71:13:7902
Membrane Shear Transfer in R/C Containment Vessels, Richard N. White and Myle J. Holley, Jr., Preprint No.1395, Apr 71

Memoirs of Deceased Members

See name of member in Name Index

Meningitis

Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, SA6:Dec 71:801:8567

Metal Plates

Penstocks For Six Pumped Storage Projects, J. Edgar Revelle and Robert W. Mikitka, PO2:Mar 71:435: 7947

Metals

Buckling of Axially Loaded Cylindrical Panels, Pan San Hsueh and Alexander Chajes, EM3:June 71: 919:8210
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428
Plastic Indentation of Metal Blocks by Flat Punch, Wai F. Chen, EM3:June 70:353:7370
TR:136:897

Meteorology

Density Altitude Variations and Runway Length, Thomas B. Davinroy, TE4:Nov 71:591:8512
Estimation of Deep Freezing Indices, George McCormick, TE3:Aug 71:401:8276
Tellurometer Ground Swing Over Ice Surface, Thomas A. Asbeck and James L. Clapp, SU1:May 71:53:8149

Methodology

Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525

Mexico

Effectiveness of Cutoffs in Earth Foundations and Abutments of Dams, Raul J. Marsal and Daniel Resendiz, 4PCSM:pp.237-312, 1971
Settlement Around Shield Driven Tunnels (In Spanish), Jose Tinajero Saenz and Luis Vieitez Utesa, 4PCSM:pp.225-241, 1971
Settlements Near Excavations (In Spanish), Jesus Alberro, 4PCSM:pp.211-224, 1971
Study of Topolobampo's Bay, Mexico, Entrance, Hector Lopez Gutierrez and Daniel Cervantes Castro, 12CEC:pp.1151-1169, 1971

XUM

Mica
Effect of Mica on K_O Compressibility of Two Soils, Charles A. Moore, SM9:Sept 71:1275:8401

Microanalysis
Bactericidal Disinfectant Testing by Micromethods, Winfred F. Maline, Theodore F. Wetzler and Lloyd G. Herman, NSCD:pp.307-318, 1971
Homogeneity Analysis and Planning Studies, Robert E. Paaswell, UP2:Dec 71:125:8561

Micrococcus
Estimating Eutrophic Potential of Pollutants, Dee Mitchell and James C. Buzzell, Jr., SA4:Aug 71: 453:8333

Microorganism Control (Water)
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, SA6:Dec 71:801:8567

Microorganisms
Modern Concept of Disinfection, Shih L. Chang, SA5:Oct 71:689:8441

Microscopy
Effect of Particle Characteristics on Soil Strength, Robert M. Koerner, SM4:July 70:1221:7393
TR:136:1317
Photomicroscopic Sublayer Velocity Measurement, Harry G. Wenzel, Jr. and Michael J. Mathews, HY12:Dec 70:2467:7724

Microwave Antennas
New Microwave Tower Design Reduces Drag, Demetri Zavitzianos, CE:Mar 71:46
Dsc: Donald W. Rose, CE:July 71:66

Mills
A High-Rise Timber Mill Building, L. Elvin Gower, Preprint No.1394, Apr 71

Mines
Mine Grouting to Control Building Settlement, Charles I. Mansur and Marion C. Skouby, SM2: Mar 70:511:7166
TR:136:617

Mine Wastes
Engineering Properties of Mine Tailings, Howard C. Pettibone and C. Dan Kealy, SM9:Sept 71:1207: 8382

Minimax Technique
Turn Penalty Effects on Minimum Time Paths, Donald L. Woods, J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238

Mining
Mine Subsidence and Support Methods in Pittsburgh Area, Richard E. Gray and James F. Meyers, SM4: July 70:1267:7407
TR:136:992
Treatment of Mine Drainage by Industry in Pennsylvania, Walter N. Heine and Ernest F. Giovannitti, SA3:June 70:743:7362
TR:136:964

Mining Equipment
Laser Alignment Techniques Utilized in Tunneling, Austin Cooney, SU2:Sept 70:229:7545
TR:136:967

Minnesota
Evolution of Transit Thinking: The Twin Cities, Neil C. Sher, Preprint No.1501, July 71

Minority Groups
ASCE'S Response to the Spencer Proposals, Alfred Board of Direction,ASCE, CE:Aug 70:46
TR:136:613
Black People Call for ASCE Social Action, Ralph E. Spencer, CE:Dec 69:73
Dsc: T. H. Evans, CE:Mar 70:42; Frank T. White, CE:Mar 70:42; Harold M. Maxwell, CE:Mar 70: 42; Robert Kiehl, CE:Mar 70:53; Edward P. Lewis, CE:Mar 70:42; William E. Dunn, CE: Apr 70:49; ASCE's Response to the Spencer Proposals, CE:Aug 70:46; Delon Hampton, CE: Jan 71:45; Frederick E. Jordan, CE:Jan 71:45

Mississippi
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540
Water Resources Planning For Pascagoula Basin, Mason B. Oldham, Jr. and John W. Rushing, WW1:Feb 70:65:7060
TR:136:383

Mississippi River
Mississippi Valley Mapping, Leslie B. Robison, SU1: May 71:103:8102
Replacement-Lock and Dam No. 26: Plans Considered, Richard C. Armstrong, WW1:Feb 70: 49:7071
TR:136:418

Missouri
Regional Waste Water System, Charles B. Kaiser, Jr., CWFE:Mar 71:57

Mixing
Horizontal Surface Discharge of Warm Water Jets, Nobuyuki Tamai, Robert L. Wiegel and Gordon F. Tornberg, PO2:Oct 69:253:6847
TR:136:719
Mathematical Model of Mixing in New Haven Harbor, Michael D. Disko, Robert A. Norris and Francis C. Lutz, 12CEC:pp.1847-1866, 1971
Measurement of Density Currents in an Idealized Model, Timm Stuckrath, 12CEC:pp.1979-1993, 1971
Power Law Solutions for Vertical Plumes, Richard R. Brock, HY9:Sept 70:1803:7523
Prediction of Lake Stratification, Yu Leuk Choi and James A. Liggett, Preprint No.1295, Jan 71
Unsteady Spread of Buoyant Surface Discharge, James J. Sharp, HY9:Sept 71:1471:8396

Modal Split
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298

Mode (Statistics)
Ambient Vibration of Two Suspension Bridges, V. R. Mc Lamore, Gary C. Hart and Ian R. Stubbs, ST10:Oct 71:2567:8454
Torsional Vibrations of Conical Frustum, Surendra R. Shah, EM5:Oct 71:1521:8452

Models
Analytical and Model Studies of Continuous Folded Plates, John E. Goldberg, Martin J. Gutzwiller and Robert H. Lee, EM5:Oct 68:1127:6181
TR:136:754
Beaches Produced by Waves of Low Phase Difference, Patrick H. Kemp and David Plinston, HY5:Sept 68:1183:6100
TR:136:631
Behavioral Models in Transportation Planning, Frank E. Horton, Preprint No.1466, July 71
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Box Girder Model Studies, Dennis E. Myers and Peter B. Cooper, ST12:Dec 69:2845:6966
TR:136:449
Calibration of Walnut Gulch Supercritical Flumes, Wendell R. Gwinn, HY8:Aug 70:1681:7479
Concepts and Utilities of Ecologic Model, Carl W. Chen, SA5:Oct 70:1085:7602
TR:136:1280

XUM

Concrete Hulls for Undersea Applications, Harvey H. Haynes, Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
Cylindrical Shell Roofs with Draped Prestressing, A. H. Bryant and J. C. Scrivener, ST4:Apr 71:611:6496
TR:136:1083
Directional Analysis in Model Design, Fernando Vasco Costa, EM2:Apr 71:519:8053
Elastic Characteristics of Moorings, Jean Sommet, BMS:pp.93-116, 1971
Elastic-Plastic Foundation Model for Punch-Shear Failure, Warren J. Rhines, SM3:May 69:819:6560
TR:136:807
Energy Dissipators for Large Culverts, Thomas C. MacDonald, HY6:Nov 69:1941:6893
TR:136:514
Experimental Study of Flexural-Torsional Buckling, Alois J. Hartmann, ST7:July 70:1481:7414
TR:136:1325
Experiments with Folded Plate Models, S. E. Swartz and V. H. Rosebraugh, Preprint No.1354, Apr 71
Full Scale Observation of the Behavior of Moored Ships, Robert C. H. Russell, BMS:pp.133-135, 1971
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2:May 71:187:8090
Inelastic Behavior of R/C Cylindrical Shells, Harry G. Harris and Richard N. White, Preprint No.1401, Apr 71
Issues in Statewide Transportation Planning, Joseph S. Drake and Lester A. Hoel, TE3:Aug 70:379:7480
TR:136:1072
Mechanical Excitation of Model Undersea Structure, C. P. Rains and Subrata K. Chakrabarti, Preprint No.1361, Apr 71
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603
Model for Machine-pile Foundation-soil System, M. R. Madhav and N. S.V. Kameswara Rao, TN: SM1:Jan 71:295:7787
Model Investigation of Berthing Impacts, Andre Pierre X. Pages, BMS:pp.209-214, 1971
Model Investigation of Berthing Impacts, Robert C. H. Russell, BMS:pp.215-219, 1971
Model I-Shaped Beams under Alternating Deflections, Settiana G. Krishnasamy and Archibald N. Sherbourne, TN: ST3:Mar 71:1015:7946
Model Study of Laterally Loaded Piles, Melvin T. Davisson and James R. Salley, SM5:Sept 70:1605:7511
Mossyrock Arch Spillway, David S. Louie, PO1:Jan 71:39:7792
Motar Models of Prestressed Concrete Reactor Vessels, James M. Corum, Richard N. White and Jack E. Smith, ST2:Feb 69:229:6419
TR:136:21
Numerical Model for Wave Pressure Distributions, J. Richard Weggel and W. Hall C. Maxwell, WW3:Aug 70:623:7467
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
On Wave Damping in Harbors, Charles E. Lee, WW4:Nov 68:489:6241
TR:136:1107
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Photoelastic Model Studies of Wye Manifold Branches, S. Redner and J. H. Perrotta, PL1:Oct 68:107:6180
TR:136:1100
Physical Model of the Moored Ship as an Oscillating System, Fernando Vasco Costa, BMS:pp.53-66, 1971
Predicting Irrigation Requirements of Crops, Wilfredo P. David and Edward A. Hiler, IR3:Sept 70:241:7507
TR:136:1037
Regression Model of Wave Forces on Ocean Outfalls, Ronald E. Johnson, WW2:May 70:289:7275
Reinforced Concrete Beam-Column Connection, Eric F.P. Burnett and Rajendra P. Jajoo, ST9:Sept 71:2315:8395
Response of Triangular Prisms in Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, ST11:Nov 71:2679:8526
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063
Study of Modular Panelized Building, Paul P. Fazio, Preprint No.1419, Apr 71
Technical Movie of Papago Freeway, John Girand, TE4:Nov 71:619:8506
Thermal Discharge: A Model-Prototype Comparison, Peter D. Hindley, Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71
Use of Models for the Study of the Behavior of Moored Ships, Francis Biesel, BMS:pp.136-138, 1971
Vibration of Noncircular Foundations, Yong S. Chae, SM6:Nov 69:1411:6918
TR:136:335
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Model Studies

Chesapeake Bay Model Study for Calvert Cliffs, Lawrence C. Neale, PO4:Dec 71:827:8602
Plunging Wave Pressures on Semicylindrical Tube, Yuan Jen and Pang-Mou Lin, WW3:Aug 71:567:8342

Model Tests

Behavior of Sands Under Surface Loads, Jack R. Morgan and Charles M. Gerrard, SM12:Dec 71:1675:8577
Behavior of Stiffened Curved Plate Model, Conrad P. Heins, Jr. and Robert L. Hails, ST11:Nov 69:2353:6876
TR:136:329
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603
Model I-Shaped Beams under Alternating Deflections, Settiana G. Krishnasamy and Archibald N. Sherbourne, TN: ST3:Mar 71:1015:7946
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
Structure And Foundation Interaction Theory, Ian K. Lee and Howard B. Harrison, ST2:Feb 70:177:7059
TR:136:827
Study of Modular Panelized Building, Paul P. Fazio, Preprint No.1419, Apr 71
Study of Suspended Roof Model, Prem Krishna and Tej P. Agarwal, ST6:June 71:1671:8168
Two-Point Mooring System for Spar Buoy, John H. Nath and Steve Neshyba, WW2:May 71:295:8115
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Modular Structures

Civil Engineering Education for the 1970's, Edward G. Nawy, CE:Aug 71:70
Modular Systems Make Shore Protection Economical, Carl R. Wilder and Earl R. Koller, CE:Oct 71:60

XUM

Modulus of Elasticity
Concrete Beams with Prestressed Reinforcement, Alfred Bishara and Filomeno N. Almeida, ST7:July 70:1445:7411
TR:136:1319
Flexural Vibrations of Laminated Plate, Jan D. Achenbach and Tony R. Zerbe, EM3:June 71:619:8181
Long-term Pressures Effects on Shear Modulus of Soils, Sherif S. Afifi, SM10:Oct 71:1445:8475
A Study of Bulk and Shear Moduli of a Sand, Leonard Domaschuk and Neil H. Wade, SM2:Mar 69:561:6461
TR:136:64

Mohr Failure Theory
Mohr-Coulomb Strength Theory for Anisotropic Soils, Wallace H. Baker and Raymond J. Krizek, SM1:Jan 70:269:7015
TR:136:442

Moire Effects
Determination of Signs in Moire Method, Fu-Pen Chiang, EM6:Dec 69:1379:6963
TR:136:419

Moisture Content
Standard Penetration Tests in Collapsible Soils, Aldo R. Reginatto, 4PCSM:pp.77-84, 1971

Moment Distribution
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Moment-Resistance Connections in Precast Concrete, Emile Langlois and Joseph Menec, Jr., ST12:Dec 69:2723:6947
TR:136:1108

Moments
Base Moment for a Class of Linear Systems, Jacobo Bielak, EM5:Oct 69:1053:6810
TR:136:277
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Criteria for the Design of Steel Sandwich Panels, T. C. McCavour, Preprint No.1407, Apr 71
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1: Feb 71:13:7902
Spandrel-Slab Interaction, Mario G. Salvadori, ST1: Jan 70:89:7017
TR:136:810
Torsion, Bending and Shear in Prestressed Concrete, Priya R. Mukherjee and Joseph Warwaruk, ST4: Apr 71:1063:8041
Warping Stresses In Slabs On Reissner Foundation, Annapareddy Siva Reddy and Mysore R. Pranesh, TE3:Aug 71:511:8332

Monitoring
Computer Aided Control of a Bus Transit System, Ansel V. Gould, Preprint No.1439, July 71
Planning Monitoring Frequencies for CPM Projects, Douglas A. Elvers, CO2:Nov 71:211:8503

Monoliths
Failure Probabilities of Reinforced Concrete Beams, James F. Costello and Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324

Monorail Railways
A Civil Engineer's Guide to EXPO 70, Shunta Shiraishi and Yuzo Matsui, CE:Mar 70:43
TR:136:243
State of the Art-Urban Transportation Systems, Donald O. Eisele, TE3:Aug 69:439:6729
TR:136:50
Walt Disney World Monorail, Robert F. Mast and Charles W. Dolan, Preprint No.1510, July 71

Monte Carlo Method
Monte Carlo Simulation of Industrial Waste Discharges, Paul M. Berthouex and Linfield C. Brown, SA5:Oct 69:887:6836
TR:136:318
Stochastic Analysis of Beach Profile Data, Choule J. Sonu and Myron H. Young, 12CEC:pp.1341-1363, 1971
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449

Monuments
A New Philosophy on Preservation of Survey Evidence, R. B. Buckner, SU2:Sept 70:213:7540
TR:136:925

Moody Resistance Diagrams
Junction Losses in Laminar and Transitional Flows, Donald K. Jamison and James R. Villemonte, HY7: July 71:1045:8258

Moon
Apollo 11: Soil Mechanics Results, Nicholas C. Costes, William D. Carrier, III, James K. Mitchell and Ronald Fraser Scott, SM6:Nov 70:2045:7704

Mooring
The Added Mass of a Ship in Longitudinal Oscillation, Jean Sommet, BMS:pp.174-191, 1971
Design Criteria for Fenders and Berthing Structures, Brendan F. Saurin, BMS:pp.256-259, 1971
Dynamics of Ship Anchor-Lines in Waves and Currents, Basil W. Wilson and Donald H. Garbaccio, WW4:Nov 64:449:6888
TR:136:275
Dynamics of Single Point Mooring in Deep Water, John H. Nath and Michael P. Felix, WW4:Nov 70: 815:7700
Elastic Characteristics of Mooring Lines, Basil W. Wilson, BMS:pp.80-92, 1971
Elastic Characteristics of Moorings, Jean Sommet, BMS:pp.93-116, 1971
Full Scale Observation of Berthing Impacts: Their Interpretation, John T. O'Brien, BMS:pp.203-205, 1971
Full Scale Observation of the Behavior of Moored Ships, Basil W. Wilson, BMS:pp.117-129, 1971
Full Scale Observation of the Behavior of Moored Ships, John T. O'Brien, BMS:pp.130-132, 1971
Full Scale Observation of the Behavior of Moored Ships, Robert C. H. Russell, BMS:pp.133-135, 1971
Full Scale Observations on Berthing Impacts: Their Interpretation, Brendan F. Saurin, BMS:pp.198-202, 1971
Harbor Study for San Nicolas Bay, Peru, James M. Keith and Emmett J. Murphy, 12CEC:pp.2195-2223, 1971
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass Analytic Study of the Problem of Berthing, Fernando Vasco Costa, BMS:pp.157-173, 1971
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass, Brendan F. Saurin, BMS: pp.192-197, 1971
Model Investigation of Berthing Impacts, Andre Pierre X. Pages, BMS:pp.209-214, 1971
Model Investigation of Berthing Impacts, Robert C. H. Russell, BMS:pp.215-219, 1971
The Moored Ship as an Oscillating System, Robert C.H. Russell, BMS:pp.48-52, 1971
The Moored Ship as an Oscillating System - The Non-linear Problem, Antonio G. Portela, BMS: pp.67-79, 1971
Offshore Floating Terminals, Eugene H. Harlow, WW3:Aug 71:531:8295
Offshore Mooring Systems, Robert C. H. Russell, BMS:pp.254-255, 1971
Off-shore Mooring Systems at Exposed Locations, Albert Steenmeyer, BMS:pp.241-253, 1971
Off-shore Mooring Systems at Protected or Semi-protected Locations, Albert Steenmeyer, BMS: pp.224-240, 1971

Physical Model of the Moored Ship as an Oscillating System, Fernando Vasco Costa, BMS:pp.53-66, 1971
Probabilistic Aspects of Seiche Action on Ships, Francis Biesel, BMS:pp.27-47, 1971
References to Literature on Mooring and Berthing of Ships Mainly Published between 1965 and 1970, Basil W. Wilson, BMS:pp.288-344, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, Basil W. Wilson, BMS:pp.1-19, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, John T. O'Brien, BMS:pp.20-26, 1971
Selection of Fenders, Fernando Vasco Costa, BMS: pp.260-263, 1971
Supplement List of Needs in Research on Problems of Berthing and Mooring Ships, Basil W. Wilson, BMS:pp.286-287, 1971
Use of Models for the Study of the Behavior of Moored Ships, Francis Biesel, BMS:pp.136-138, 1971
Ways to Improve Berthing Operations, Basil W. Wilson, BMS:pp.268-272, 1971
Ways to Improve Berthing Operations, Fernando Vasco Costa, BMS:p.273, 1971

Moorings
The Added Mass of a Ship in Longitudinal Oscillation, Jean Sommet, BMS:pp.174-191, 1971
Design Criteria for Fenders and Berthing Structures, Brendan F. Saurin, BMS:pp.256-259, 1971
Dynamics of Single Point Mooring in Deep Water, John H. Nath and Michael P. Felix, WW4:Nov 70: 815:7700
Elastic Characteristics of Mooring Lines, Basil W. Wilson, BMS:pp.80-92, 1971
Elastic Characteristics of Moorings, Jean Sommet, BMS:pp.93-116, 1971
Full Scale Observation of Berthing Impacts: Their Interpretation, John T. O'Brien, BMS:pp.203-205, 1971
Full Scale Observation of the Behavior of Moored Ships, Basil W. Wilson, BMS:pp.117-129, 1971
Full Scale Observation of the Behavior of Moored Ships, John T. O'Brien, BMS:pp.130-132, 1971
Full Scale Observation of the Behavior of Moored Ships, Robert C. H. Russell, BMS:pp.133-135, 1971
Full Scale Observations on Berthing Impacts: Their Interpretation, Brendan F. Saurin, BMS:pp.198-202, 1971
Harbor Study for San Nicolas Bay, Peru, James M. Keith and Emmett J. Murphy, 12CEC:pp.2195-2223, 1971
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass Analytic Study of the Problem of Berthing, Fernando Vasco Costa, BMS:pp.157-173, 1971
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass, Brendan F. Saurin, BMS: pp.192-197, 1971
Model Investigation of Berthing Impacts, Andre Pierre X. Pages, BMS:pp.209-214, 1971
Model Investigation of Berthing Impacts, Robert C. H. Russell, BMS:pp.215-219, 1971
The Moored Ship as an Oscillating System, Robert C.H. Russell, BMS:pp.48-52, 1971
The Moored Ship as an Oscillating System - The Non-linear Problem, Antonio G. Portela, BMS: pp.67-79, 1971
Offshore Mooring Systems, Robert C. H. Russell, BMS:pp.254-255, 1971
Off-shore Mooring Systems at Exposed Locations, Albert Steenmeyer, BMS:pp.241-253, 1971
Off-shore Mooring Systems at Protected or Semi-protected Locations, Albert Steenmeyer, BMS: pp.224-240, 1971
Physical Model of the Moored Ship as an Oscillating System, Fernando Vasco Costa, BMS:pp.53-66, 1971
Probabilistic Aspects of Seiche Action on Ships, Francis Biesel, BMS:pp.27-47, 1971
References to Literature on Mooring and Berthing of Ships Mainly Published between 1965 and 1970, Basil W. Wilson, BMS:pp.288-344, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, Basil W. Wilson, BMS:pp.1-19, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, John T. O'Brien, BMS:pp.20-26, 1971
Selection of Fenders, Fernando Vasco Costa, BMS: pp.260-263, 1971
Supplement List of Needs in Research on Problems of Berthing and Mooring Ships, Basil W. Wilson, BMS:pp.286-287, 1971
Two-Point Mooring System for Spar Buoy, John H. Nath and Steve Neshyba, WW2:May 71:295:8115
Use of Models for the Study of the Behavior of Moored Ships, Francis Biesel, BMS:pp.136-138, 1971
Ways to Improve Berthing Operations, Basil W. Wilson, BMS:pp.268-272, 1971
Ways to Improve Berthing Operations, Fernando Vasco Costa, BMS:p.273, 1971

Mortars (Material)
Cement Mortar Lining of 20-foot Steel Pipe, James E. Wolfe, Preprint No.1562, Oct 71
Hypothesis for Shear Failure of Brickwork, Bryan Stafford Smith and Clifford Carter, ST4:Apr 71: 1055:8029

Motion
Analysis of Soil Movement Around a Deep Excavation, Chin-Yung Chang and James M. Duncan, SM5:Sept 70:1655:7512
Elastic Characteristics of Moorings, Jean Sommet, BMS:pp.93-116, 1971
Probabilistic Aspects of Seiche Action on Ships, Francis Biesel, BMS:pp.27-47, 1971
Recording Inclinometer for Measuring Soil Movement, Leslie G. Bromwell, Christopher R. Ryan and William E. Toth, 4PCSM:pp.333-343, 1971
Sand Movement Measurement Near Anchor Plates, Robert W. Carr and Thomas H. Hanna, TN: SM5: May 71:833:8087
Seiches and Other Causes of the Motion of Ships Already Moored, Basil W. Wilson, BMS:pp.1-19, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, John T. O'Brien, BMS:pp.20-26, 1971
Single Particle Radioactive Sediment Tracers, Neil S. Grigg, Preprint No.1301, Jan 71

Motion Pictures
A Technical Movie of the Papago Freeway, John Girand, Preprint No.1293, Jan 71

Motivation
The Human Factor, Charles R. Schrader, Preprint No.1426, July 71

Motor Vehicle Accidents
Design Requirements for Safer Highway Bridge Rails, Robert M. Olson, Edward R. Post and Don L. Ivey, TE2:May 71:291:8125
Developing an Improved Traffic Operations Program, Peter A. Mayer, TE2:May 71:263:8099

Mud
Standard Test Boring with Drilling Mud, Charles S. Hedges, 4PCSM:pp.63-75, 1971

Mud Flats
Study of Mudbanks along the Southwest Coast of India, N. S. Moni, 12CEC:pp.739-750, 1971

Multivariate Analysis
Rational Multivariate Algal Growth Kinetics, E. Joe Middlebrooks and Donald B. Porcella, TN: SA1: Feb 71:135:7859

XUM

Municipal Engineering
The City and the Civil Engineer, Walter G. Heintzleman, PP1:Oct 71:55:8479
Comprehensive Public Water Supply Planning, Anthony Pavone, SA5:Oct 71:745:8450
Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589
Municipal Considerations in Transportation Planning, Richard B. Robertson, TE1:Feb 69:1:6378
TR:136:1051
Planning Standards for Storm Drainage, Myron D. Calkins, UP1:Mar 70:53:7133
TR:136:869
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Storm Drainage Practices of Thirty-two Cities, Colby V. Ardis, Kenneth J. Dueker and Arno T. Lenz, HY1:Jan 69:383:6365
TR:136:783
Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128
TR:136:853

Municipalities
Planning for a New Town, Daniel W. Moore, UP1: Apr 71:79:8065

Nails
Theoretical Lateral Resistance of Nailed Joints, Thomas Lee Wilkinson, ST5:May 71:1381:8121

National Government
What's the Deal? Government Negotiates Engineering Services, Richard H. Tatlow, III, PP1: Sept 70:81:7557
TR:136:1167

National Income
Financing Water Quality Control on a National Basis, Morris H. Klegerman, CWFE:Mar 71:131

Natural Flow
Implicit Flood Routing in Natural Channels, Michael Amein and Ching S. Fang, HY12:Dec 70:2481: 7773

Natural Frequency
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, Mehran Lashkari, Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71

Natural Resources
Approaches and Viewpoints of State Natural Water Resources Agencies, William Whipple, Jr., UWRM: pp.100-105, 1971
Ecological Values and Regional Planning, Ian McHarg, CE:Aug 70:40
Dsc: Hugo Vervuurt, CE:Dec 70:54; Frank B. Burggraf, Jr., CE:Dec 70:54; John Volkert, CE: Dec 70:54; R. P. Spiro, CE:Dec 70:54; Ralph W. Kiefer, CE:Dec 70:58
TR:136:605
Effect of Intake Elevation and Operation on Water Temperature, Walter O. Wunderlich and Rex A. Elder, HY6:Nov 69:2081:6917
TR:136:328
Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551: 6984
TR:136:348
The Environmental Challenge--Values in Conflict, James H. Wright, PP1:Oct 71:17:8471
Environmental Considerations in Design of Transmission Lines, Harry Brenman and Dwight A. Covington, PO3:June 70:369:7350
TR:136:1152
Environmental Effects of Oil Pollution, Thomas A. Murphy, SA3:June 71:361:8221
Environmental Protection-TVA Experience, Francis E. Gartrell and James C. Barber, SA6:Dec 70:1321: 7761
Is Technology Relevant?, Michael C. Kavanaugh, CE: Oct 70:44
Dsc: Bob Persons, CE:Feb 71:66; Kurt V. Leininger, CE:Mar 71:56
TR:136:872

Natural Streams
Predicting Effects of Dead Zones on Stream Mixing, Edward L. Thackston and Karl B. Schnelle, SA2: Apr 70:319:7218
TR:136:1322

Navigation
Economics of Channels and Maneuvering Areas for Ships, Richard G. Waugh, Jr., WW4:Nov 71:671: 8537
Framework Plan for Ohio Basin Navigation to 2020, Theodore A. Kent, WW3:Aug 70:665:7473
History and Future of Ohio River Navigation, Carl H. Gaum, WW2:May 70:483:7304
TR:136:1230
Implication of Systems Analysis to Inland Navigation, DuWayne A. Koch, WW3:Aug 71:559: 8302
Interoceanic Canal Navigation Criteria, Edwin W. Eden, Jr., WW2:May 70:395:7288
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Power Generation Under IJC Regulation, George T. Berry, PO2:Nov 68:217:6257
TR:136:620
Problems of Inland Waterway Lock Dimensions, John P. Davis, WW2:May 70:451:7295
Regional Approach to Port Development Planning, Howard J. Marsden, WW1:Feb 71:33:7896
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Replacement-Lock and Dam No. 26: Condition of Existing Structure, Daniel P. Marshall, Jr., WW1: Feb 70:27:7097
TR:136:477
Replacement-Lock and Dam No. 26: History, Objectives and Scope, Edwin R. Decker, WW1:Feb 70:1:7070
TR:136:1183
Replacement-Lock and Dam No. 26: Projecting Waterborne Commerce-Inland Navigation, DuWayne A. Koch, WW1:Feb 70:9:7100
TR:136:507
Sector Gates in Bangkok Klong System, Fred C. Stepanich, WW4:Nov 71:721:8549
Solar Astronavigation in High Latitudes, Gerald W. Johnson and James L. Clapp, SU1:May 71:27:8139
Spillway Gate Vibrations on Arkansas River Dams, Tasso Schmidgall, Preprint No.1331, Jan 71
Surveys and Mapping in Water Resource Development, Kerry F. Pitts, SU1:May 71:69:8088
Tonnage Capacity of Locks, John P. Davis, WW2: May 69:201:6577
TR:136:134
Two Innovations for Improving Harbor Resonators, William James, WW1:Feb 71:115:7871
Water Depths Required for Ship Navigation, Richard G. Waugh, Jr., WW3:Aug 71:455:8309

Navigational Charts
Chart Compilation-Field and Office, William J. Monteith, SU2:Sept 70:157:7522
TR:136:885
Mission of U.S. Lake Survey, James E. Bunch, SU2: Sept 70:181:7527
TR:136:946
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203

Navigation Dams
Aeration of Flow Below Navigation Dams - St. Paul District, Henry W. Harich, Preprint No.1561, Oct 71

Necking
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428

Needle Valves
Needle Valves as Pressure Regulators, J. Paul Tullis and Maurice L. Albertson, HY5:Sept 69:1633:6787 TR:136:220

Netherlands
The History of the Dutch Coast in the Last Century, W. T. Bakker and D. Sj. Joustra, 12CEC:pp.709-728, 1971
The Measurement of Tidal Water Transport in Channels, R. E. Klein, 12CEC:pp.1887-1901, 1971
Research for the Coastal Area of the Delta Region of the Netherlands, J. J. Dronkers, 12CEC:pp.1783-1801, 1971
Use of Asphalt in Breakwater Construction, K. d'Angremond, H. J. Th. Span, J. van der Weide and A. J. Woestenenk, 12CEC:pp.1601-1627, 1971

Networks
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
Systems Analysis of Water Distribution Networks, Richard de Neufville, John C. Schaake, Jr. and Joseph H. Stafford, SA6:Dec 71:825:8575

Nevada
Design of Underground Pumping Chamber at Lake Mead, Robert R. Rising and Gayle A. Erickson, Preprint No.1338, Jan 71
Southern Nevada Water Project - Water for Las Vegas, Lloyd R. Porter, Preprint No.1286, Jan 71

New Jersey
Concrete Median Barrier Safely Redirects Impacting Vehicles, Edwin C. Lokken, CE:Oct 71:77
Setting the Stage for a Tour of the Lindenwold Hi-speed Line, J. William Vigrass, NA:Mar 71:193
Topics Experience of a Consulting Engineering Firm, Arthur E. Young, Preprint No.1467, July 71
Urban Transportation - A Persistent Paradox, John C. Kohl, NA:Mar 71:61

New Mexico
Cement Stabilized Fill for Conduit Support, Richard B. Catanach and Thomas N. McDaniel, TN: SM6: June 71:959:8162
A Nuclear Energy Concept for Water Development, L. P. Reinig, R. I. Brasier and Bob J. Donham, Preprint No.1304, Jan 71
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Newton-Raphson Method
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189:8357

New York
Jamaica Bay Hurricane Barrier, Frank L. Panuzio, 12CEC:pp.2069-2088, 1971
The Metropolis Runs Dry, Richard A. Hogarty, IR4: Dec 71:559:8563
New York City Wastewater System Management, Martin Lang, CWFE:Mar 71:53
New York State Spurs Housing, Kneeland A. Godfrey, Jr., CE:Nov 71:53
Systems Analysis of Water Distribution Networks, Richard de Neufville, John C. Schaake, Jr. and Joseph H. Stafford, SA6:Dec 71:825:8575
Transport Equation Stability and Estuary Modeling, Fred G. Haag and Keith W. Bedford, HY12:Dec 71:2051:8610

Nitrification
Control of Bacterial Growths in Rapid Sand Filters, John T. O'Connor and Kalyanpur Y. Baliga, SA6: Dec 70:1377:7767

Nitrogen
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247:8163
Simulation of Ammonia Stripping from Wastewater, Joseph F. Roesler, Robert Smith and Richard G. Eilers, SA3:June 71:269:8182

Nitrogen Cycle
Chemistry of N and Mn in Cox Hollow Lake, Wis., Following Destratification, Patrick L. Brezonik, Joseph J. Delfino and G. Fred Lee, SA5:Oct 69: 929:6850 TR:136:790

Nitrogen Oxides
Implications of Nitrogenous BOD in Treatment Plant Design, Russell C. Mt. Pleasant and Warren Schlickenrieder, SA5:Oct 71:709:8469

Noise
Noise Environments in Public Transportation, Don E. Bray, Preprint No.1469, July 71
Systems Analyst's View of Noise and Urban Planning, Martin Wachs and Joseph L. Schofer, UP2:Oct 70:147:7639 TR:136:948

Noise Generators
Systems Analyst's View of Noise and Urban Planning, Martin Wachs and Joseph L. Schofer, UP2:Oct 70:147:7639 TR:136:948

Noise Reduction
Hannover Regional Complex Including Airport, Heinz P. Piper, TE2:May 69:245:6534 TR:136:1233
Noise Environments in Public Transportation, Don E. Bray, Preprint No.1469, July 71

Nomographs
Dynamic Driving Stresses in Prestressed Concrete Piles, Arthur R. Anderson and Saad E. Moustafa, CE:Aug 71:55
Graphical Solution to Hydraulic Jump, Roland W. Jeppson, HY1:Jan 70:103:7014 TR:136:915
Dsc, Inspector vs. Quality Engineer, John P. Jackson, CE:Oct 70:52
Dsc: Thaddeus J. Prorok, CE:Feb 71:55; H. J. Walter, CE:Feb 71:55
Lateral Load Capacity of Piles in Sand and Normally Consolidated Clay, Awtar Singh, Richard E-Wei Hu and Robert D. Cousineau, CE:Aug 71:52
Nomograph for Bearing Capacity, J. Neil Kay, TN: SM1:Jan 71:301:7787
Nondimensional Gradually Varied Flow Profiles, Cheng-lung Chen and Chun-Tsung Wang, HY5: Sept 69:1671:6790 TR:136:228
Nonuniform Flow in Flat Rectangular Channels, Kuan M. Yao, HY9:Sept 71:1343:8369

Noncohesive Soils
Material Model for Granular Soils, Frank L. DiMaggio and Ivan S. Sandler, EM3:June 71:935: 8212

Nonlinear Differential Equations
Buckling of Open Cylindrical Shells with Imperfections, Peter Turula and Kuang-Han Chu, EM6:Dec 70:1125:7733 TR:136:1308
Computational Schemes for the Boussinesq Equation, George Terzidis, IR4:Dec 68:381:6276 TR:136:609
Nonlinear Analysis of Cable and Truss Structures, Frank Baron and Mahadeva S. Venkatesan, ST2: Feb 71:679:7937
Nonlinear Analysis of Instability in Tension, Sam Tang, EM5:Oct 71:1487:8428

XUM

Nonlinear Formulations of Beam-Column Effects, Frank Baron and Mahadeva S. Venkatesan, ST4: Apr 71:1305:8080
Post Lateral Buckling Behavior of Beams, Gerald Zamost and E. Russell Johnston, Jr., EM4:Aug 71: 1133:8313

Nonlinear Systems
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, E. Harry Law and Ronald S. Brand, Preprint No.1427, July 71
Dynamic Analysis of Nonlinear Space Frames, Fereydoon Farhoomand, J. K. Iverson and Robert K. Wen, Preprint No.1371, Apr 71
The Moored Ship as an Oscillating System - The Non-linear Problem, Antonio G. Portela, BMS: pp.67-79, 1971

Non-Structural Alternatives
Computers in Flood Control Planning, L. Douglas James, HY6:Nov 69:1859:6886
TR:136:290

Nonuniform Flow
Drag Coefficients in Nonsteady Turbulent Flow, Alex J. Sutherland and David J. Painter, HY7:July 71: 1031:8233
Energy Loss Analysis for Open Channel Expansions, Gaylord V. Skogerboe, HY10:Oct 71:1719:8464
Nonuniform Flow in Flat Rectangular Channels, Kuan M. Yao, HY9:Sept 71:1343:8369

North Carolina
Recent History of Erosion at Carolina Beach, N. C., Limberios Vallianos, 12CEC:pp.1223-1242, 1971
Stochastic Analysis of Beach Profile Data, Choule J. Sonu and Myron H. Young, 12CEC:pp.1341-1363, 1971

Nose Wheels
Determination of Wheel Trajectories, Ezra Hauer, TE4:Nov 70:463:7653

Nozzles
Surface Disturbance from Submerged Jet, Norbert L. Ackermann, Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236

Nuclear Desalting
Dual Purpose Desalting in the Pacific Southwest, Sam Shiozawa, Preprint No.1353, Jan 71
A Nuclear Energy Concept for Water Development, L. P. Reinig, R. I. Brasier and Bob J. Donham, Preprint No.1304, Jan 71

Nuclear Electric Power Generation
Conventionally Reinforced Nuclear Containments, Clarence T Gordon and William L Klehm, ST2:Feb 70:199:7065
TR:136:542
Design of Browns Ferry Chimney, John W. Smith and Asgeir Jonsson, PO3:June 70:437:7359
TR:136:1127
Earthquake Forces on Equipment in Nuclear Power Plants, Asadour H. Hadjian, PO3:July 71:649:8240
Earthquake Research Needs For Nuclear Power Plants, George W. Housner, PO1:Jan 71:77:7818
Foundations for Salem Nuclear Generating Station, Muzaffer Kehnemuyi, CE:May 70:52
TR:136:412
Grouted Tendons for Nuclear Containment, Gunnar A. Harstead and Richard E. Kummerle, PO2:Oct 69:277:6852
TR:136:197
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3: June 70:400:7355
Prestressing For H.B. Robinson Nuclear Plant, Allan H. Wern, Morris Schupack and W. Larson, PO2: Mar 71:539:7992
Public Health Factors in Reactor Site Selection, J. G. Terrill, C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3

Nuclear Energy
Transport of Dissolved Wastes in Rivers, Roger Don Shull and Earnest F. Gloyna, SA6:Dec 69:995:6948
TR:136:249

Nuclear Explosion Effects
Response of Wall Panels Subjected to Blast Loading, Bernard L. Gabrielsen, Preprint No.1399, Apr 71

Nuclear Explosions
Elastic Free-Field Motion Due to Nuclear Blast, Leif E. Fugelso, Robert K. Waddick and Glen L. Heidhardt, EM6:Dec 68:1337:6266
TR:136:666
Shock Spectra From Subsurface Nuclear Explosions, Frank W. Galbraith and Robert N. Schreiner, EM5: Oct 68:1015:6140
TR:136:53

Nuclear Powered Ships
Why Nuclear SES?, R. J. Thomson, Preprint No.1489, July 71

Nuclear Power Plants
Calvert Cliffs - Focus on Structures, Donald T. Ward and Clifford M. Robinson, Jr., Preprint No.1408, Apr 71
Construction Of Multibarrier Containment Vessels, D. M. Leppke, C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002
Containment Structure For Trojan Nuclear Plant, Jacob K. Aldersebaes and Karl Wiedner, PO2:Mar 71:351:7957
Cooling Water Structures for FitzPatrick Nuclear Plant, Ralph W. Gunwaldsen, Bruno Brodfeld and George E. Hecker, PO4:Dec 71:767:8572
Siting of Browns Ferry Nuclear Plant, Jack E. Gilleland, PO2:Oct 69:185:6827
TR:136:124
Thermal Discharges From Large Nuclear Plant, Stanley Moyer and Edward C. Raney, SA6:Dec 69: 1131:6983
TR:136:377

Nuclear Reactor Containment
Concrete Containments for Reactors-State-of-Art, Chen Pang Tan, ST7:July 70:1543:7424
TR:136:1016
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71
Grouted Tendons for Nuclear Containment, Gunnar A. Harstead and Richard E. Kummerle, PO2:Oct 69:277:6852
TR:136:197
Membrane Shear Transfer in R/C Containment Vessels, Richard N. White and Myle J. Holley, Jr., Preprint No.1395, Apr 71
PWR Containment Structures Design Experience, P. Blair Haga and John D. Stevenson, PO1:Jan 70: 145:7037
TR:136:437
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475: 7966

Nuclear Reactors
Plastic Liners for Candu Containment Structures, E. C. Smith, Preprint No.1307, Jan 71
Public Health Factors in Reactor Site Selection, J. G. Terrill, C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3

Nuclear Reactor Sites
Siting of Browns Ferry Nuclear Plant, Jack E. Gilleland, PO2:Oct 69:185:6827
TR:136:124

Numerical Analysis
Analysis of Footing Subjected to Biaxial Bendine, German Gurfinkel, ST6:June 70:1049:7329
Analysis of Infiltration into Draining Porous Media, Frank D. Whisler and Keith K. Watson, IR4:Dec 69:481:6946
TR:136:215
Analysis of Orthotropic Steel Plate Bridge Decks, Graham H. Powell and David W. Ogden, ST5:May 69:909:6563
TR:136:1103
Computational Schemes for the Boussinesq Equation, George Terzidis, IR4:Dec 68:381:6276
TR:136:609
Graphical and Computer Analysis of Tailrace Surges, C. Samuel Martin, PO3:July 71:697:8261
Improving Approximate Eigenvalues and Eigenvectors, Arthur R. Robinson and John F. Harris, EM2:Apr 71:457:8047
Irregular Shaped Plates with Singularities, David H. Geiger, EM5:Oct 71:1533:8458
Lateral Stability of Nonuniform Cantilevers, Campbell Massey and Peter J. McGuire, EM3:June 71:673:8172
Numerical Solution of Filtration Equations, Arun K. Deb, SA2:Apr 70:195:7199
Random Walk Model for First-Passage Probability, Richard H. Toland and Cheng Y. Yang, EM3:June 71:791:8200

Numerical Integration
Response Computation Using Truncated Taylor Serier, Joseph E. Grant, EM2:Apr 71:295:8019

Nutrients
Biological Effects on Sediment-Water Nutrient Interchange, Donald B. Porcella, James S. Kumagai and E. Joe Middlebrooks, SA4:Aug 70:911:7460
TR:136:1156
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247:8163
Tertiary Treatment by Flocculation and Filtration, DeFro Tossey, Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484

Obituaries of Members
See Name of Deceased Member in Name Index

Objectives
Some Thoughts on Urban Transportation Goals and Objectives, Milton Pikarsky, NA:Mar 71:25

Observation
Full Scale Observation of the Behavior of Moored Ships, Basil W. Wilson, BMS:pp.117-129, 1971

Obsolescence
The Postponement of Obsolescence in Ferries, F. M. Conner, Preprint No.1432, July 71

Ocean Bottom
Engineering Properties of Some Sea-Floor Deposits, George H. Keller, SM6:Nov 69:1379:6907
TR:136:289
Equilibrium Profiles of Model Beaches, Irvathur Vasudeva Nayak, 12CEC:pp.1321-1340, 1971
Seasonal Bottom Changes - Bolinas Bay, California, J. W. Johnson, 12CEC:pp.1383-1396, 1971
Variation of Topography of Sea-bed Caused by the Construction of Breakwaters, Shoji Sato and Isao Irie, 12CEC:pp.1301-1319, 1971

Ocean Currents
Loadings on Large Piers in Waves and Currents, Hsiang Wang, 12CEC:pp.1491-1512, 1971

Ocean Engineering
Breakout Resistance of Objects Embedded in Ocean Bottom, Aleksandar Sedmak Vesic, SM9:Sept 71:1183:8372
Concrete Deep Submergence Hollow Shell Structures, Jerry D. Stachiw, ST12:Dec 69:2931:6982
TR:136:496
Concrete Hulls for Undersea Applications, Harvey H. Haynes, Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
Dredging Methods For Deep-Ocean Mineral Recovery, John B. Herbich, WW2:May 71:385:8120
Dynamic Structure-Soil Wave Model for Deep Water, Billy L. Edge and Paul G. Mayer, WW1:Feb 71:167:7889
Engineering Properties of Some Sea-Floor Deposits, George H. Keller, SM6:Nov 69:1379:6907
TR:136:289
Fluid-Dynamic Consideration of Bottom Materials, Hormoz Pazwash and James M. Robertson, HY9:Sept 71:1317:8374
Fluid Force Analysis and Accelerating Sphere Tests, Wallis S. Hamilton and James E. Lindell, HY6:June 71:805:8195
Hurricane Surge Computations by Computer, Alan N. Sirkin, WW2:May 70:467:7299
TR:136:1159
In-Place Ocean Soil Strength By Accelerometer, Ronald Fraser Scott, SM1:Jan 70:199:7013
TR:136:768
Natural Virus Inactivation Processes in Seawater, Hillel I. Shuval, SA5:Oct 71:587:8427
Ocean Dumping: What and Where, If at All?, Eugene E. Dallaire, CE:Nov 71:58
Scour Around a Circular Cylinder due to Wave Motion, Donald R. Wells and Robert M. Sorensen, 12CEC:pp.1263-1280, 1971
Seafloor Surveying by Divers, John B. Ciani, E. Kent Hunter, George B. Dowling and David M. Bunk, SU2:Nov 71:149:8496
Syntactic Foams for Deep Sea Engineering Applications, Israel Resnick and Aleksander Macander, CO1:June 70:45:7367

Oceanography
Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70:2089:7634
TR:136:1271
Dynamics of Fixed Towers in Deep-Water Random Waves, John H. Nath and Donald R.F. Harleman, WW4:Nov 69:539:6924
TR:136:340
Engineering Properties of Submarine Soils: State-of-the Art Review, Iraj Noorany and Stanley F. Gizienski, SM5:Sept 70:1735:7536
Model for Nonlinear Dynamics of Offshore Towers, Edward Terence Foster, Jr., EM1:Feb 70:41:7093
TR:136:513
Properties of Circulation in Stratified Lakes, James A. Liggett and Kwang K. Lee, HY1:Jan 71:15:7793
Two Innovations for Improving Harbor Resonators, William James, WW1:Feb 71:115:7871

Oceans
Dredging Methods For Deep-Ocean Mineral Recovery, John B. Herbich, WW2:May 71:385:8120
Environmental Effects of Oil Pollution, Thomas A. Murphy, SA3:June 71:361:8221
Regional Approach to Port Development Planning, Howard J. Marsden, WW1:Feb 71:33:7896
Sensitivity Analysis of Wind Generated Wave Predictions, Charles D. D. Howard, WW2:May 71:365:8153
Two-Dimensional Wind Set-Up of Oil on Water, Robert M. Sorensen and Edmund B. Spencer, WW3:Aug 71:517:8326

Ocean Waves
Air Entrainment and Energy Dissipation in Breakers, Alfred Fuhrboter, 12CEC:pp.391-398, 1971
The Analysis of Wave Records, D. Lee Harris, 12CEC:pp.85-100, 1971
Behavior of a Slender Body in Shallow-water Waves, Hsiang Wang and Li-San Hwang, CEC:pp.1723-1744, 1971

XUM

Bottom Boundary Shear Stresses on a Model Beach, P. G. Teleki and Melvin W. Anderson, 12CEC: pp.269-288, 1971

Braking Wave Setup and Decay on Gentle Slopes, Li-San Hwang and David Divoky, 12CEC:pp.377-389, 1971

Breakwater and Quay Wall by Horizontal Plates, Takeshi Ijima, Shigeo Ozaki, Yasuhiko Eguchi and Akira Kobayashi, 12CEC:pp.1537-1556, 1971

The Canadian Wave Climate Study - the Formative Year, Laurence Draper, 12CEC:pp.1-11, 1971

Channel Effects in Harbor Resonance, George F. Carrier, Richard P. Shaw and Moto Miyata, EM6: Dec 71:1703:8611

Characteristics of Shingle Beaches: The Solution to Some Practical Problems, A. M. Muir Wood, 12CEC:pp.1059-1075, 1971

Characteristics of Waves Broken by a Longshore Bar, E. Clark McNair and Robert M. Sorensen, 12CEC: pp.415-434, 1971

Coastal Erosion in North Carolina, Leonard J. Langfelder, Donald B. Stafford and Michael Amein, WW2:May 70:531:7306

Coastal Processes from Space Photography, Maynard M. Nichols, 12CEC:pp.641-649, 1971

A Comparison of Fluvial and Coastal Similitude, Bernard LeMehaute, 12CEC:pp.1077-1096, 1971

Comparison of Model and Beach Scour Patterns, John B. Herbich, 12CEC:pp.1281-1300, 1971

Comparison of Pressure and Staff Wave Gage Records, D. Esteva and D. Lee Harris, 12CEC: pp.101-116, 1971

Computation of Alongshore Energy and Littoral Transport, Theodor R. Mogel, Robert L. Street and Byrne Perry, 12CEC:pp.899-917, 1971

Computation of Storm Surge, Richard Silvester, 12CEC:pp.1995-12010, 1971

Computer Modelling of Diffraction of Wind Waves, Shou-shan Fan and Leon Emry Borgman, 12CEC: pp.473-487, 1971

Damage Functions for a Rubble-mound Breakwater Under the Effect of Swells, Juan B. Font, 12CEC: pp.1567-1585, 1971

The Development of Undular Bores with Friction, O. Hawaleshka and S. B. Savage, 12CEC:pp.461-472, 1971

Dimensional Analysis - Spurious Correlation, Mahmet S. Yalin and J. William Kamphuis, 12CEC:pp.625-638, 1971

Directional Spectra From Wave-Gage Arrays, N. N. Panicker and Leon Emry Borgman, 12CEC:pp.117-136, 1971

Effect of Long Period Waves on Hydrographic Surveys, Orville T. Magoon and William O. Sarlin, 12CEC:pp.2251-2265, 1971

Effects of Nonuniform Wave Energy in the Littoral Zone, Victor Goldsmith and Joseph M. Colonell, 1971

Energy Losses under Wave Action, P. D. Treloar and A. Brebner, 12CEC:pp.257-267, 1971

Equilibrium Profiles of Model Beaches, Irvathur Vasudeva Nayak, 12CEC:pp.1321-1340, 1971

Equilibrium Range Spectra in Shoaling Water, Takeshi Ijima, Takahiko Matsuo and Kazutami Koga, 12CEC:pp.137-149, 1971

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Offshore Completion
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Offshore Structures
Analytical Model for Prediction of Ice-Structure Interaction, Hudson Matlock, William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
Concrete Hulls for Undersea Applications, Harvey H. Haynes, Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
Deep Water Contruction Problems in Offshore Terminal, Vincent Scott Fox, CE:June 70:63
TR:136:469
Dynamics of Fixed Towers in Deep-Water Random Waves, John H. Nath and Donald R.F. Harleman, WW4:Nov 69:539:6924
TR:136:340
Effect on Waterway Depth and Alignments, Casimir J. Kray, WW2:May 70:497:7305
Interaction of Waves with Submerged Objects, C. J. Garrison and V. Seetharama Rao, WW2:May 71: 259:8111
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TR:136:513
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TR:136:734
Protection of Offshore Structures Against Underscour, Chesley J. Posey, HY7:July 71:1011: 8230
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Regional Approach to Port Development Planning, Howard J. Marsden, WW1:Feb 71:33:7896
Relative Validities of Water Wave Theories, Robert G. Dean, WW1:Feb 70:105:7092
TR:136:794
Risk Evaluations for Offshore Structures, Peter W. Marshall, ST12:Dec 69:2907:6981
TR:136:480
Supercarriers Versus U.S. Harbor Dimensions, Francis P. Koisch, WW1:Feb 71:19:7904
Undersea Oil Storage Tank, Robert S. Chamberlin, CE:Aug 70:57
Dsc: F. Hatfield, CE:Nov 70:65
TR:136:634

Oils
New Wastewater Treatment Plant Reuses Its Oil Sludge, James W. Hubbell, CE:Sept 70:81
TR:136:769

Oil Storage
Crude Storage: Tanks or Caverns?, M. P. Daruwalla and J. N. Hagg, CE:Apr 71:38

XUM

Oil Wastes
Steady-state Profile for Oil Barriers, Richard Robbins, David Hoult and Ralph Cross, III, TN: WW1:Feb 71:235:7891
Two-Dimensional Wind Set-Up of Oil on Water, Robert M. Sorensen and Edmund B. Spencer, WW3:Aug 71:517:8326

Oil-Water Interfaces
Two-Dimensional Wind Set-Up of Oil on Water, Robert M. Sorensen and Edmund B. Spencer, WW3:Aug 71:517:8326

Oily Water
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Oklahoma
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Open Channel Flow
Boundary Shear Distribution in Open Channel Flow, S. N. Ghosh and N. Roy, HY4:Apr 70:967:7241
TR:136:710
Channel Effects in Harbor Resonance, George F. Carrier, Richard P. Shaw and Moto Miyata, EM6: Dec 71:1703:8611
Characteristics of Self-Aerated Flows, Nagar S. Lakshmana Rao, Kyatsandra Seetharamiah and Thimmaiah Gangadharaiah, HY2:Feb 70:331:7055
Closed Conduit to Open Channel Stilling Basin, Gordon H. Flammer, Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
The Development of Undular Bores with Friction, O. Hawaleshka and S. B. Savage, 12CEC:pp.461-472, 1971
Dynamic Equations for Steady Spatially Varied Flow, Ben Chie Yen and Harry G. Wenzel, Jr., HY3:Mar 70:801:7179
TR:136:1053
Energy Loss Analysis for Open Channel Expansions, Gaylord V. Skogerboe, HY10:Oct 71:1719:8464
Flood-Control Facilities for Unique Flood Problems, Ralph F. Wong and Alfonso Robles, Jr., WW1:Feb 71:185:7894
Flow Over Triangular Elements Simulating Dunes, Mahmoud Faisal Rifai and Kenneth V.H. Smith, HY7:July 71:963:8246
Flume Experiments on Alternate Bar Formation, Hai Yain Chang, Daryl B. Simmons and David A. Woolhiser, WW1:Feb 71:155:7869
Free Overfall As Flow Measuring Device, Sebastian W. Bauer and Walter H. Graf, IR1:Mar 71:73:7987
Free Surface, Velocity Gradient Flow Past Hemisphere, Gordon H. Flammer, J. Paul Tullis and Earl S. Mason, HY7:July 70:1485:7418
Graphical Solution to Hydraulic Jump, Roland W. Jeppson, HY1:Jan 70:103:7014
TR:136:915
Height of Sand Dunes in Open Channel Flows, Mohammad Akram Gill, HY12:Dec 71:2067:8612
Laboratory Study of Degradation and Aggradation, Suryanarayana Bhamidipaty and Hsieh W. Shen, WW4:Nov 71:615:8493
Limit Slope in Uniform Computations, Nagar S. Lakshmana Rao and Kalamear Shridharan, HY1: Jan 70:95:7011
TR:136:398
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TR:136:450
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TR:136:57
On the Concept of Mean Hydraulic Radius, Desmond F. Moore, HY4:July 69:1305:6691
TR:136:84
Outlet Transitions with Triangular-Shaped Baffles, Lloyd H. Austin, Gaylord V. Skogerboe and Ray S. Bennett, IR3:Sept 71:433:8366
Pattern Of Potential Flow in a Free Overfall, Theodor Strelkoff and Mohammad S. Moayeri, HY4:Apr 70:879:7207
TR:136:993
Periodic Permanent Roll Waves, Richard R. Brock, HY12:Dec 70:2565:7764
Principles of River Bed Adjustment, Thomas Blench, Preprint No.1513, July 71
Resistance Studies on Smooth Open Channels, V. V. Jayaraman, HY5:May 70:1129:7266
Resistance to Flow over Two-Dimensional Strip Roughness, K. G. Ranga Raju and Ramachandra J. Garde, HY3:Mar 70:815:7181
TR:136:975
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Self-Aerated Flow Characteristics in Wall Region, Nagar S. Lakshmana Rao and Thimmaiah Gangadharaiah, HY9:Sept 71:1285:8359
Stream Temperature Prediction Under Reduced Flow, William L. Morse, Preprint No.1525, Oct 71
Surge Studies for Portage Mountain Tailrace System, Kenneth C. Wilson, PO1:Mar 69:1:6432
TR:136:649
Turbulent Diffusion and Schmidt Number of Particles, Michael K. Householder and Victor W. Goldschmidt, EM6:Dec 69:1345:6961
TR:136:403
Water Surface Configuration in Channel Bends, Chin-lien Yen and Ben Chie Yen, HY2:Feb 71:303:7928

Openings
Analysis of Shear Walls with Openings, Chiyyarath V. Girijavallabhan, ST10:Oct 69:2093:6824
TR:136:280
Elastic-Plastic Behavior of Intersecting Shells, Fernand Ellyin, EM1:Feb 69:69:6387
TR:136:701
Plastic Behavior of Beams with Reinforced Holes, Judith G. Congdon and Richard G. Redwood, ST9: Sept 70:1933:7561
TR:136:1043

Operating Costs
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750
TR:136:1092

Operations
Low-speed Operation of the Linear Induction Motor Test Vehicle, K. M. Chirgwin, Preprint No.1504, July 71
Operation and Maintenance of Colorado Aqueduct, Henry J. Mills, IR1:Mar 71:203:8007
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71: 601:8613
Water Plant Start-Up and Operation, Bruce E. Regadanz, Preprint No.1351, Jan 71

Operations Research
Curbside Service Subways, Charles J. Swet, Preprint No.1518, July 71
Mathematical Models of Location: A Review, David H. Marks, Charles S. ReVelle and Jon C. Liebman, UP1:Mar 70:81:7164
TR:136:926

Optimization
Automated Design of Frame Structures, Dag Kavlie and Johannes Moe, ST1:Jan 71:33:7823
Automated Optimum Design from Discrete Components, Aldo Cella and Robert D. Logcher, ST1:Jan 71:175:7845
Cost Optimization of Structural Roof System, Samuel L. Lipson and Alan D. Russell, ST8:Aug 71:2057: 8291

Efficient Reanalysis of Modified Structures, Dag Kavlie and Graham H. Powell, ST1:Jan 71:377:7846
Experimental Study of the Hydraulic Behaviour of Inclined Groyne Systems, Julio Patriarca Barcelo, 12CEC:pp.1021-1040, 1971
Fitting Methods for Conceptual Catchment Models, Richard P. Ibbitt and Terence O'Donnell, HY9:Sept 71:1331:8370
Iterative Design Techniques, W. R. Spillers and S. Albanna, Preprint No.1373, Apr 71
Minimum Weight Design of Light Gage Steel Members, Paul A. Seaburg and Charles G. Salmon, ST1:Jan 71:203:7830
Multi-level Optimization of a Reservoir System, William J. Trott and William Wen-Gong Yeh, Preprint No.1526, Oct 71
Optimal Design of Furrow Length of Surface Irrigation, I-pai Wu and Tung Liang, IR3:Sept 70:319:7543
Optimal Multifunctional Material Systems, Edward M. Krokosky, EM2:Apr 71:559:8077
Optimal Policy for Reservoir Operation, Ricardo C. Harboe, Fereidoun Mobasheri and William Wen-Gong Yeh, HY11:Nov 70:2297:7673
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
Optimization of Traffic Flow for Urban Freeways, Azmi Kaya, Preprint No.1447, July 71
Optimization Techniques in Structural Design, George G. Goble, Preprint No.1397, Apr 71
Optimum Beam Layout for Large Areas, Paul Grundy, ST8:Aug 71:2085:8304
Optimum Elastic Design of Redundant Trusses, David Johnson and Derick M. Brotton, ST12:Dec 69:2589:6938
TR:136:399
Slabs with Variable Straight Reinforcement, George I. N. Rozvany and Donald E. Charrett, ST5:May 71:1521:8095

Oregon
Stability of Clay Interbeds - Columbia River Valley, Roy A. Anderson and Robert L. Schuster, Preprint No.1478, July 71

Organic Soils
Peat and Muck Drainage Problems, John C. Stephens, IR2:June 69:285:6603
TR:136:1098
Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508

Organic Wastes
Characterization of Time-Varying Organic Loads, Alfred T. Wallace and Donald M. Zollman, SA3:June 71:257:8167

Organizations
Management Structure for Irrigation, Richard A. Smith, IR4:Dec 70:475:7722
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71:601:8613

Orientation
Explicit Approach to Exterior Orientation, S. K. Mahajan, SU2:Nov 71:251:8518
Lateral Refraction in Proximity of Structures, Ron K.H. Adler and Haim B. Papo, SU1:Oct 69:93:6846
TR:136:643

Orthogonality
Behavior Of Porous Bed Near Flow Singularity, C. Samuel Martin, SM2:Feb 71:393:7935

Orthotropism
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189

Oscillations
The Added Mass of a Ship in Longitudinal Oscillation, Jean Sommet, BMS:pp.174-191, 1971
Dynamic Moduli and Damping Ratios For Soft Clay, William D. Kovacs, H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Dynamic Prestraining of Dry Sand, Vincent P. Drnevich and Frank E. Richart, Jr., SM2:Mar 70:453:7160
TR:136:592
Elastic Characteristics of Mooring Lines, Basil W. Wilson, BMS:pp.80-92, 1971
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Full Scale Observation of the Behavior of Moored Ships, Basil W. Wilson, BMS:pp.117-129, 1971
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Long-term Pressures Effects on Shear Modulus of Soils, Sherif S. Afifi, SM10:Oct 71:1445:8475
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Seasonal Deformation of 2-Mile Straight Line, Joseph J. Spranza and Amos M. Nur, SM12:Dec 71:1623:8586
Seiches and Other Causes of the Motion of Ships Already Moored, Basil W. Wilson, BMS:pp.1-19, 1971
Stability of Oscillations in Simple Surge Tank, Eugen Ruus, HY5:Sept 69:1577:6773
TR:136:213
Surface Oscillations in a Water Tank Caused by a Submerged Jet, Juan B. Font, Omar Azpurua and Flora Aranguren, 12CEC:pp.2243-2250, 1971
Surge Tank Stability By Phase Plane Method, Mohammad Hanif Chaudhry and Eugen Ruus, HY4:Apr 71:489:8044
Tsunami-Responses of San Pedro Bay and Shelf, Calif., Basil W. Wilson, WW2:May 71:239:8107
Use of Models for the Study of the Behavior of Moored Ships, Francis Biesel, BMS:pp.136-138, 1971

Osmosis
Phosphate Removal: Summary of Papers, Milton Spiegel and Tom H. Forrest, SA5:Oct 69:803:6807
TR:136:89

Outfall Sewers
Diffusion of Sewage Effluent from Ocean Outfall, Robert E. Stewart, Hugh D. Putnam, Richard H. Jones and Thomas N. Lee, SA4:Aug 71:485:8340
Natural Virus Inactivation Processes in Seawater, Hillel I. Shuval, SA5:Oct 71:587:8427
Trapping of Outfall Constituents behind Sills, T. Carstens and A. Sjoberg, 12CEC:pp.1917-1930, 1971

Outlets
Behavior of Buoyant Jet in Calm Fluid, Habib O. Anwar, HY4:July 69:1289:6688
TR:136:93
Unsteady Spread of Buoyant Surface Discharge, James J. Sharp, HY9:Sept 71:1471:8396

Overfalls
Free Overfall As Flow Measuring Device, Sebastian W. Bauer and Walter H. Graf, IR1:Mar 71:73:7987

XUM

Pattern Of Potential Flow in a Free Overfall, Theodor Strelkoff and Mohammad S. Moayeri, HY4:Apr 70:879:7207
TR:136:993

Overflows
Performance and Design of Labyrinth Weirs, Nessim Hay and Geoffrey Taylor, HY11:Nov 70:2337:7691

Overland Flow
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9: Sept 71:1367:8373
Variational Approach to Non-Darcy Flow, John A. McCorquodale, HY11:Nov 70:2265:7694
TR:136:1292

Overtopping
Analytical Approach on Wave Overtopping on Levees, Hiroyoshi Shi-igai and Tsugio Kono, 12CEC:pp.563-573, 1971

Oxidation
Evaluation of Nitrification in Streams, Chester T. Wezenak and John J. Gannon, SA5:Oct 68:883: 6159
TR:136:692
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Hydrolysis of Lipids in Wastewater, Gary R. Kramer, SA5:Oct 71:731:8418
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Oxidation Lagoons
Sulfide Production in Waste Stabilization Ponds, Earnest F. Gloyna and Ernesto Espino, SA3:June 69:607:6637
TR:136:1080

Oxygenation
Aerator Performance in Natural Streams, Shaw L. Yu, SA5:Oct 70:1099:7601
Algal Reactor For Life Support Systems, Gedalia Shelef, William J. Oswald and P. H. McGauhey, SA1:Feb 70:91:7105
TR:136:797
Design of U-Tube Aeration Systems, Richard E. Speece and Rudolph Orosco, SA3:June 70:715:7348
TR:136:951
Estuarine Oxygen Resources-Photosynthesis and Reaeration, Thomas E. Bailey, SA2:Apr 70:279: 7215
TR:136:517
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Instream Aerators for Polluted Rivers, William Whipple, Jr., Francis P. Coughlan, Jr. and Shaw L. Yu, SA5:Oct 70:1153:7631
Iron Removal Using Magnesium Oxide, John T. O'Connor and Barrett E. Benson, SA6:Dec 70: 1335:7740
TR:136:1328
Monitors Solve Fish-kill Mystery, Bruce R. Barrett, CE:Jan 71:40
Surface Aeration Cuts Costs of Waste-Water Treatment Plant, Kenneth D. Miller, CE:Aug 71:41
Transfer of Oxygen in Aqueous Solutions, Edwin L. Barnhart, SA3:June 69:645:6639
TR:136:775

Oxygen Content
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Oysters
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Paper Industry
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TR:136:857

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Parallel Processors
Parallel Processing Approach to Bridge Planning, Andrew K.C. Wong and Tung Au, ST1:Jan 71:115: 7822

Parametric Hydrology
A Proposed Watershed Retention Function, Willard M. Snyder, IR1:Mar 71:193:7979

Parking Facilities
Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, George J. Mim Mack and Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76
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TR:136:830
Planning for Campus Traffic and Parking, Joseph W. Guyton and George L. Reed, TE1:Feb 71:63:7880
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Research Needs in Air Transportation by the Committee on Research of the Aero Space Division, Jack E. Snell, Chmn., TE1:Feb 70:45: 7091
TR:136:1214
Tampa International Airport: Model for the Jumbo-Jet Age, George S. Jenkins, CE:Oct 71:68
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Tampa International Airport: Model for the Jumbo-Jet Age, George S. Jenkins, CE:Oct 71:68
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TR:136:574
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TR:136:1214
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Passenger Vehicles
Advanced Passenger Train, A. H. Wickens, Preprint No.1461, July 71
Impulse Jet Vehicles, Gunnar Mouritzen, Preprint No.1422, July 71
Selected Bus Demonstration Projects, Louis J. Pignataro, John C. Falcocchio and Roger P. Roess, TE3:Aug 70:251:7454
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Bonded Concrete Overlays, Raouf Sinno and Howard L. Furr, ST8:Aug 70:1627:7450
Estimation of Climatic Parameters for Frost Depth Prediction, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:605:6872
TR:136:190
Estimation of Pavement Surface Freezing Indices, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:587:6871
TR:136:150
Implications of Using Layered Theory in Pavement Design, John P. Nielsen, TE4:Nov 70:495:7662
In-Situ Investigation Using SH-Waves, Marcis Kurzeme, SM2:Feb 71:341:7918
Making Highways Skid-proof, John L. Beaton, CE: Mar 71:42
New Paving Concept for Newark Airport, Nai C. Yang, CE:Sept 70:95
Dsc: Fred Bennett, CE:Jan 71:67
TR:136:832
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Pavement Design and Staging for Mayan Roads, Allen F. Lubina and Robert N. Panfill, TE4:Nov 71:651:8516
Pavement Evaluation and Design for Jumbo Jets, Bernard A. Vallerga and Benjamin F. Franklin McCullough, TE4:Nov 69:639:6895
TR:136:252
Pavement Evaluation by Wave Propagation Method, Keshavan Nair, TE1:Feb 71:83:7900
Paving Vietnam, Stuart Wood, Jr., Preprint No.1502, July 71
Progress in Asphalt Pavement Thickness Design, Alfred W. Maner, CE:Mar 70:39
TR:136:231
Shrinkage and Shrinkage Restraints in Concrete Pavements, Shigeyoshi Nagataki, ST7:July 70:1333: 7402
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TR:136:1145
Tire-Pavement Interactiono, Bob M. Gallaway, Jerry G. Rose and Jon A. Epps, Preprint No.1325, Jan 71

Paving
Flexible Pavement for Tomorrow's Major Airports, Donald N. Brown, George M. Hammitt, II and Donald M. Ladd, TE4:Nov 69:617:6874
TR:136:223
Paving Vietnam, Stuart Wood, Jr., Preprint No.1502, July 71

Peak Discharge
Effect of Upstream Retarding Reservoirs on Peak Flow, Charlie M. Moore, Preprint No.1529, Oct 71
Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503

XUM

Peak Floods
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71

Peak Power
Control of Ice Jams at Barrett Chute G.S., David R. Townsend, PO3:July 71:597:8244

Peak Runoff
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Peat
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TR:136:1055

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Compared Experiences with the S.P.T. (In Spanish), C. M. Arce, F. L. Torres and H. J. Vercelli, 4PCSM:pp.95-104, 1971
Design of Columbia River Pile Dikes, Robert O. Dodge, Preprint No.1424, July 71
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A Theoretical Assessment of the SPT, Edward A. Nowatzki, 4PCSM:pp.45-61, 1971

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Compared Experiences with the S.P.T. (In Spanish), C. M. Arce, F. L. Torres and H. J. Vercelli, 4PCSM:pp.95-104, 1971
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A Theoretical Assessment of the SPT, Edward A. Nowatzki, 4PCSM:pp.45-61, 1971

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The Dynamic Cone Penetration Test, Dinesh Mohan and D. F. Sen Gupta, CE:Feb 70:49
TR:136:90
Electric Penetrometer For Site Investigations, Jacobus de Ruiter, SM2:Feb 71:457:7907

Pennsylvania
Community Service and Urban Problems: Can Civil Engineers Make a Contribution?, Maynard Charles Nugent, CE:Jan 70:53
TR:136:54
Philadelphia Regions' Urban Corridor Demonstration Program, Ira N. Pierce, NA:Mar 71:161
Setting the Stage for a Tour of the Lindenwold Hi-speed Line, J. William Vigrass, NA:Mar 71:193
Trash Rack Problems and Remedies at Muddy Run Pumped-Storage Generating Plant, Richard L. Fiske and Cyril E. Daly, Preprint No.1305, Jan 71
Trash Rack Studies - Seneca Pumped-Storage Plant, David S. Louie and Arthur E. Allen, Preprint No.1284, Jan 71

Pensions
Retirement Plan Study, Arnold Olitt, PP1:Sept 70:39: 7552
TR:136:921

Penstocks
Design and Construction of Mossyrock Penstocks, Edgar T. Moore, PO1:Jan 71:49:7799
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Guri Hydroelectric Project Designed for Staged Development, Hans Hasen and P. H. Palacios H., CE:Dec 71:55
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939
Penstocks For Six Pumped Storage Projects, J. Edgar Revelle and Robert W. Mikitka, PO2:Mar 71:435: 7947
Reinforcing Steel for Penstock Wye Branch, Eknneth E. Sorensen, PO2:Oct 69:217:6830
TR:136:163
Sizing of Pumped Storage Conduits, Raymond K. Sullivan, Jr., PO3:July 71:667:8252
Steel Penstock Design For Tims Ford Dam, George E. Day and Horace S. Beckner, PO1:Jan 71:203: 7803
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71
Vibration Analysis of Pump Discharge Lines, Jesse M. Diaz and Ravinder K. Jain, HY11:Nov 70:2279: 7678
TR:136:1286

Performance
Session V: Special Topics (Hydraulic Fills, Performance, Evaluation, etc.), Ronald C. Hirschfeld, PISST:pp.165-168, 1971
Systems Analysis Method for Pavement Structures, William Ronald Hudson, Benjamin F. McCullough, Frank H. Scrivner and Gary Carey, ST1:Jan 71:81: 7852

Periodicals
Forty Years of ASCE and "Civil Engineering", Mary E. Jessup, CE:Oct 70:59
TR:136:977

Permeability
Estimating Soil Permeability Rates, Merlin E. Horn, IR2:June 71:263:8169
Flow Around Inclined Sheet Pile, Annapareddy Siva Reddy, G. C. Mishra and Kaveti Seetharamiah, HY7:July 71:1101:8248
Flow of Air Through Soils, Geoffrey E. Blight, SM4: Apr 71:607:8026
One-Dimensional Infiltration into Layered Soils, Yu-Si Fok, IR2:June 70:121:7343
Stability of Structures on Permeable Foundations, Satya P. Garg and A. S. Chawla, HY4:July 69: 1095:6648
TR:136:123
Subsurface Irrigation System Analysis and Design, Yu-Si Fok and Lyman S. Willardson, IR3:Sept 71: 449:8380
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466

Personnel
Civil Engineer in Federal Government, Nicholas J. Oganovic, PP1:Sept 70:9:7546
TR:136:879

Construction Expediting, Arthur Monsey, CO1:June 70:19:7356
TR:136:1314
Engineering Managers: Key to Cutting Labor Costs, Howard M. Taylor, CE:June 71:41
Management Structure for Irrigation, Richard A. Smith, IR4:Dec 70:475:7722

Personnel Development
Guidelines for Employer-Engineer Relationships, CE: July 71:57
Professional Practice for the Young Engineer, Charles S. Hedges, PP1:Sept 70:89:7558
TR:136:1201

Perturbation
Two-Dimensional Cable Analysis, George R. Buchanan, ST7:July 70:1581:7436
TR:136:1021

Perturbation Theory
Limiting Condition for Standing Wave Theories by Perturbation Method, Yoshito Tsuchiya and Masataka Yamaguchi, 12CEC:pp.523-542, 1971

Pesticides
Contamination of Oysters by Pesticides, Donald R. Rowe, Larry W. Canter and J. W. Mason, SA5:Oct 70:1221:7619
TR:136:1294

Petroleum
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750
TR:136:1092

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Philippine Islands
Angat Project - The Leak in Tunnel Two, Wallace A. Waldorf, PO4:Dec 71:799:8571

Phosphates
Virus Inactivation During Phosphate Precipitation, Dirk R. Brunner and Otis J. Sproul, SA2:Apr 70: 365:7220
TR:136:1253

Phosphorus
Phosphate Release in Activated Sludge Process, Clifford W. Randall, Duane W. Marshall and Paul H. King, SA2:Apr 70:395:7223
TR:136:816
Phosphate Removal at Baltimore, Maryland, Marion R. Scalf, Fred M. Pfeffer, Lawrence D. Lively, Jack L. Witherow and Charles P. Priesing, SA5:Oct 69: 817:6817
TR:136:103
Phosphate Removal: Summary of Papers, Milton Spiegel and Tom H. Forrest, SA5:Oct 69:803:6807
TR:136:89

Phosphorus Compounds
Anaerobic Digestion of Sludge Containing Iron Phosphate, Sudershan Malhotra, Thomas P. Parrillo and Alan Gene Hartenstein, SA5:Oct 71:629:8432

Photoelasticity
Determination of Signs in Moire Method, Fu-Pen Chiang, EM6:Dec 69:1379:6963
TR:136:419
Gravity and Surface-Load Stresses in Spheres, August J. Durelli, Vincent J. Parks and Luis Ferrer, EM4:Aug 70:407:7481
TR:136:1010
Photoelastic Model Studies of Wye Manifold Branches, S. Redner and J. H. Perrotta, PL1:Oct 68:107:6180
TR:136:1100
Photoelastic Study of Beams on Elastic Foundations, August J. Durelli, Vincent J. Parks, Carson K.C. Mok and Han-Chow Lee, ST8:Aug 69:1713:6739
TR:136:110

Photogrammetric Surveys
Absolute Orientation of Photogrammetric Model, S. K. Mahajan and Vijay Singh, SU2:Nov 71:237:8519
Explicit Approach to Exterior Orientation, S. K. Mahajan, SU2:Nov 71:251:8518
Photogrammetric Surveying in the Highway Program, James E. Newman, Preprint No.1285, Jan 71

Photogrammetry
Airphoto Interpretation of Flood Plain Soils, Ralph W. Kiefer, SU1:Oct 69:49:6819
TR:136:417
Analytical Plotter System, James R. Skidmore, SU2: Sept 70:253:7559
TR:136:987
Construction Control by Programmetric Methods, George P. Katibah, SU1:Oct 69:1:6809
TR:136:1084
Construction Innovations In Reclamation Work, Bernard P. Bellport, CO1:Mar 71:79:7999
Explicit Approach to Exterior Orientation, S. K. Mahajan, SU2:Nov 71:251:8518
Map Control by Electronic Surveys, William A. McLaughlin, SU1:Apr 70:81:7226
TR:136:1146
Mapping for Changing Environment, Morris M. Thompson, SU1:Oct 69:35:6818
TR:136:339
Modern Day Surveys for Highway Location and Design, Jon S. Beazley, SU1:Apr 70:11:7196
TR:136:727
Photogrammetric Surveying in the Highway Program, James E. Newman, Preprint No.1285, Jan 71
Regional Control Supplied by Photogrammetry, G. Carper Tewinkel, SU1:May 71:13:8136
Space Resection from Collinearity Conditions, Kunwar K. Rampal, SU2:Nov 71:205:8520
The Survey Engineer - A Rare Species, Arthur J. McNair, SU1:Apr 70:37:7197
TR:136:1135

Photographic Analysis
Technical Movie of Papago Freeway, John Girand, TE4:Nov 71:619:8506

Photography
Virtual Mass of Plates and Discs in Water, Frederic T. Mavis, HY10:Oct 70:1947:7593

Photosynthesis
Photosynthesis and Oxygen Balance in Streams, Donald J. O'Connor and Dominic M. Di Toro, SA2:Apr 70:547:7240
TR:136:1201

Phreatic Lines
Phreatic Surface Location after Drawdown, Arthur H. Dvinoff and Milton E. Harr, SM1:Jan 71:47: 7806
Unconfined Transient Seepage in Sloping Banks, Chandrakant S. Desai and Walter C. Sherman, Jr., SM2:Feb 71:357:7915

Phreatophytes
Effects on Water Supply Due to Salt Cedar Removal, William Hughes, Preprint No.1290, Jan 71

Piers
Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391
TR:136:965

XUM

Loadings on Large Piers in Waves and Currents, Hsiang Wang, 12CEC:pp.1491-1512, 1971
Mine Subsidence and Support Methods in Pittsburgh Area, Richard E. Gray and James F. Meyers, SM4: July 70:1267:7407
TR:136:992

Piezometers
Evaluation of Pore Pressures Beneath and Embankment, David J. D'Appolonia, T. William Lambe and Harry G. Poulos, SM6:June 71:881: 8213
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Piggyback
Highway Advantages from Advanced Truck-rail Technology, Robert T. Adams, Preprint No.1497, July 71

Pile Driving
Design and Construction of Newport Bridge, Alfred Hedefine and Herbert M. Mandel, ST11:Nov 71: 2635:8529
Dynamic Prediction of Pile Static Bearing Capacity, Robert H. Scanlan and John J. Tomko, SM2:Mar 69:583:6468
TR:136:677
Effects of Foundation Construction on Nearby Structures, David J. D'Appolonia, 4PCSM:pp.189-236, 1971
Port Construction At Burns Waterway Harbor, John H. McGavock, Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990
Problems in Design and Installation of Offshore Piles, Bramlette McClelland, John A. Focht, Jr. and William J. Emrich, SM6:Nov 69:1491:6913
TR:136:734
Properties of Pile Cushioning Materials, Thomas C. Edwards, Lee L. Lowery, Jr. and Teddy J. Hirsch, ST7:July 69:1431:6663
TR:136:169
Relaxation of Piles in Sand and Inorganic Silts, Nai C. Yang, SM2:Mar 70:395:7123
TR:136:550
Saint Louis Bay Bridge, Richard E. Whitaker, CO2: Oct 70:149:7588
TR:136:1111
Thin-wall Pile Driven by Improved Technique, Fredric Rusche, CE:Jan 71:54

Pile-Driving Formulas
Dynamic Driving Stresses in Prestressed Concrete Piles, Arthur R. Anderson and Saad E. Moustafa, CE:Aug 71:55
Dynamic Prediction of Pile Static Bearing Capacity, Robert H. Scanlan and John J. Tomko, SM2:Mar 69:583:6468
TR:136:677
Relaxation of Piles in Sand and Inorganic Silts, Nai C. Yang, SM2:Mar 70:395:7123
TR:136:550

Pile Extraction
Khazzan Dubai No. 1: Pile Design and Installation, James A. Wees and Robert S. Chamberlin, SM10: Oct 71:1415:8439

Pile Foundations
Artic Research Laboratory, William H.G. Van Ness, CE:May 71:69
Dsc: Russell P. Wibbens, CE:Sept 71:93
Bridge Foundation Behavior in Alaska Earthquake, Grant A. Ross, H. Bolton Seed and Ralph R. Migliaccio, SM4:July 69:1007:6664
TR:136:712
Experimental Behavior of Downdrag in Deep Foundations, Robert M. Koerner, TN: SM2:Feb 71: 515:7860
Khazzan Dubai No. 1: Pile Design and Installation, James A. Wees and Robert S. Chamberlin, SM10: Oct 71:1415:8439
Model for Machine-pile Foundation-soil System, M. R. Madhav and N. S.V. Kameswara Rao, TN: SM1: Jan 71:295:7787
Model Study of Laterally Loaded Piles, Melvin T. Davisson and James R. Salley, SM5:Sept 70:1605: 7511
Performance of Four Foundations on End Bearing Piles, David J. D'Appolonia and T. William Lambe, SM1:Jan 71:77:7807
Pile Tests-Arkansas River Project, Charles I. Mansur and Alfred H. Hunter, SM5:Sept 70:1545:7509
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TR:136:734
Properties of Pile Cushioning Materials, Thomas C. Edwards, Lee L. Lowery, Jr. and Teddy J. Hirsch, ST7:July 69:1431:6663
TR:136:169
Scour Around a Circular Cylinder due to Wave Motion, Donald R. Wells and Robert M. Sorensen, 12CEC:pp.1263-1280, 1971

Pile Groups
Behavior of Laterally Loaded Piles: II-Pile Groups, Harry G. Poulos, SM5:May 71:733:8093
Design Criteria for Fenders and Berthing Structures, Brendan F. Saurin, BMS:pp.256-259, 1971
Selection of Fenders, Fernando Vasco Costa, BMS: pp.260-263, 1971
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Pile Loading Tests
Performance of Four Foundations on End Bearing Piles, David J. D'Appolonia and T. William Lambe, SM1:Jan 71:77:7807

Piles (Foundations)
Behavior of Laterally Loaded Piles: 1-Single Piles, Harry G. Poulos, SM5:May 71:711:8092
Behavior of Laterally Loaded Piles: II-Pile Groups, Harry G. Poulos, SM5:May 71:733:8093
Deep Water Contruction Problems in Offshore Terminal, Vincent Scott Fox, CE:June 70:63
TR:136:469
Designing Computer Programs for Bridge Foundations, E. F. Roberts and M. Lohrmann, CE: Dec 71:64
Generalized Analysis of Pile Foundations, Lymon C. Reese, Michael W. O'Neill and Robert E. Smith, SM1:Jan 70:235:7032
TR:136:471
Lateral Load Capacity of Piles in Sand and Normally Consolidated Clay, Awtar Singh, Richard E-Wei Hu and Robert D. Cousineau, CE:Aug 71:52
Long Prestressed Piles, E. W. Alley, CE:Apr 70:50
Dsc: Halvard W. Birkeland, CE:July 70:57
TR:136:342
Rational Design Concept for Breasting Dolphins, Lymon C. Reese, Michael W. O'Neill and N. Radhakrishnan, WW2:May 70:433:7291
TR:136:1009
Session IV: Other Improvement Techniques (Additives, Grouting, Thermal, Electro, Vibroflotation, Blasting, Compaction, Piles), Roy E. Olson, PISST:pp.91-92, 1971
Tension Piles and Diagonal Tie-Backs, Norman L. Liver, CO1:July 69:107:6692
TR:136:1124
Tests on Instrumented Piles, Ogeechee River Site, Aleksandar Sedmak Vesic, SM2:Mar 70:561:7170
TR:136:825

Pile Structures
Deep Water Contruction Problems in Offshore Terminal, Vincent Scott Fox, CE:June 70:63 TR:136:469
Design of Columbia River Pile Dikes, Robert O. Dodge, WW2:May 71:323:8142
Design of Columbia River Pile Dikes, Robert O. Dodge, Preprint No.1424, July 71
Dynamic Driving Stresses in Prestressed Concrete Piles, Arthur R. Anderson and Saad E. Moustafa, CE:Aug 71:55
Laboratory Study of Lift Forces on Circular Piles, Devidas D. Bidde, WW4:Nov 71:595:8495
Lumped Parameter Beams Based on Impedance Methods, Richard D. Ellison, Elio E. D'Appolonia and Gerald R. Thiers, SM4:Apr 71:661:8052
Machine-Bored Caissons for Earth-Retaining Systems in Europe, Herbert Weinhold, CE:July 70:64 TR:136:556
Pile Tips and Barbs Prevent Ice Uplift, James E. Muschell, CE:June 70:41 TR:136:433
Thin-wall Pile Driven by Improved Technique, Fredric Rusche, CE:Jan 71:54
Unique Methods Solve Cofferdam Construction, E. V. Wright, CE:Nov 71:37

Pilot Shafts
Gravity and Gradients of Long Tunnels, H. S. Williams, SU1:Oct 69:11:6815 TR:136:205

Pipe Bedding
Summary Report on Experimental Evaluation of Simulated Uncased Pipeline Crossings of Railroads and Highways, Everett C. Rodabaugh, Thomas J. Atterbury and G. L. Hinueber, UPC:Apr 71

Pipe Flow
Analog Analysis of Water Distribution Networks, Don J. Wood, TE2:May 71:281:8112
Choking and Supercavitating Valves, J. Paul Tullis, HY12:Dec 71:1931:8593
Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685
Efficient Code for Steady-State Flows in Networ , Robert Epp and Alvin G. Fowler, HY1:Jan 70:43:7002 TR:136:867
Flowgraph Analysis of Pipeline Networks, Thorleif Enger and Chuan C. Feng, HY10:Oct 71:1607:8404
Flow in Conduits with Low Roughness Concentration, John A. Roberson and C. K. Chen, HY4:Apr 70:941:7224 TR:136:1066
Flow of Sand and Water in Pipes, Frederic T. Mavis, TN: HY3:Mar 71:483:7945
Flow Visualization in Turbulent Boundary Layers, Joseph A. Clark and Eric Markland, HY10:Oct 71:1653:8459
Head Losses in Wyes and Manifolds, Eugen Ruus, HY3:Mar 70:593:7130 TR:136:596
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177 TR:136:1017
Internal Hydraulics of Thermal Discharge Diffusers, Svein Vigander, Rex A. Elder and Norman H. Brooks, HY2:Feb 70:509:7085 TR:136:1025
Junction Losses in Laminar and Transitional Flows, Donald K. Jamison and James R. Villemonte, HY7:July 71:1045:8258
Manning n for Cast-in-Place Concrete Pipe, Thomas T. Wilson, Jr. and Edib Kirdar, HY3:May 69:995:6575 TR:136:132
Mathematical Model For Water Distribution Systems, Mehdi S. Zarghamee, HY1:Jan 71:1:7797
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY7:July 70:1503:7423
Slip Points of Beds in Solid-Liquid Pipeline Flow, Kenneth C. Wilson, HY1:Jan 70:1:6992 TR:136:347
A Theory for Heterogeneous Flow of Solids in Pipes, Marion R. Carstens, HY1:Jan 69:275:6354 TR:136:764
Transients in Pipelines Carrying Liquids or Gases, Victor L. Streeter, TE2:Feb 71:15:7884

Pipe Laying
A Reel-Type Pipelaying Barge, Paul K. Johnson, CE:Oct 71:45
Summary Report on Experimental Evaluation of Simulated Uncased Pipeline Crossings of Railroads and Highways, Everett C. Rodabaugh, Thomas J. Atterbury and G. L. Hinueber, UPC:Apr 71

Pipelines
Analog Analysis of Water Distribution Networks, Don J. Wood, TE2:May 71:281:8112
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Cavitation in Horizontal Pipelines Due to Water Hammer, J. P. Th. Kalkwijk and C. Kranenburg, HY10:Oct 71:1585:8440
Choking and Supercavitating Valves, J. Paul Tullis, HY12:Dec 71:1931:8593
Cross-Country Pipeline Construction, Frederick J. Seeger and John A. Havers, TE4:Nov 70:603:7667 TR:136:1270
Design Conduit System By Dynamic Programming, Rex K. Liang, CO1:Mar 71:383:7998
Design Conduit System by Dynamic Programming, Tung Liang, HY3:Mar 71:7988
Effect of Coating on Thermal Conductivity of Pipes, P. Mahmoodi, TE1:Feb 70:71:7102 TR:136:357
Effect of Pipeline Junctions on Water Hammer Surges, Don J. Wood and Shen P'eng Chao, TE3:Aug 71:441:8296
Flowgraph Analysis of Pipeline Networks, Thorleif Enger and Chuan C. Feng, HY10:Oct 71:1607:8404
Hydraulic Trenching of Submarine Pipeline, H. Ivan Schwartz, TN: TE4:Nov 71:723:8489
Initial Economic Evaluation of Slurry Pipeline Systems, E. J. Wasp, T. L. Thompson and T. C. Aude, TE2:Apr 71:271:8106
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Practical Applications of Codes in Construction of Pipelines, David R. Williams, Jr., TE4:Nov 70:471:7657 TR:136:1256
Research Programs on Pipeline Crossings, William F. Quinn, TE3:Aug 70:283:7457 TR:136:988
Resonance in Pressurized Piping Systems, Mohammad Hanif Chaudhry, HY9:Sept 70:1819:7525
Settling Parameter in Solids Pipelining, M. P. duPlessis and R. W. Ansley, PL2:July 67:1:5340 TR:136:59
Structural Design of Pipeline Casing Pipes, Merlin G. Spangler, PL1:Oct 68:137:6194 TR:136:1175
Summary Report on Experimental Evaluation of Simulated Uncased Pipeline Crossings of Railroads and Highways, Everett C. Rodabaugh, Thomas J. Atterbury and G. L. Hinueber, UPC:Apr 71
A Theory for Heterogeneous Flow of Solids in Pipes, Marion R. Carstens, HY1:Jan 69:275:6354 TR:136:764
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343
Vibration Of Pipe Carrying Flowing Fluid, P. Srinivasan and V. Lakshminarayanan, TE2:May 70:165:7265 TR:136:460

XUM

Pipeline Transportation
Cross-Country Pipeline Construction, Frederick J. Seeger and John A. Havers, TE4:Nov 70:603:7667 TR:136:1270
Summary Report on Experimental Evaluation of Simulated Uncased Pipeline Crossings of Railroads and Highways, Everett C. Rodabaugh, Thomas J. Atterbury and G. L. Hinueber, UPC:Apr 71
The 1970's: Civil Engineering Forecast-Part III, Kneeland A. Godfrey, Jr., CE:July 70:51 TR:136:528

Pipes
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Regression Model of Wave Forces on Ocean Outfalls, Ronald E. Johnson, WW2:May 70:289:7275
Sanitary Sewer Extension Built Above Ground, R. Andrew Easley, Jr., CE:Apr 71:66
Study of Pipe with Concrete Bedding-Part II, Harvey C. Olander and Gordon G. Robertson, TE1:Feb 70:25:7087 TR:136:324
World's Largest Log-Periodic Antenna, Yen H. Dong, ST9:Sept 71:2371:8400

Pipes (Tubes)
What's New in Water and Sewer Pipe, Kneeland A. Godfrey, Jr., CE:Oct 70:46 TR:136:894

Pit Recharge
Artificial Recharge in Water Resources Management, Marvin J. Dvoracek, IR2:June 71:219:8185

Planning
Additions To Chief Joseph Dam Power Project, A. Lee Warbington, PO2:Mar 71:493:7970
Analysis of Transportation Planning Education, Lester A. Hoel, TE2:May 70:123:7255 TR:136:1204
Behavioral Models in Transportation Planning, Frank E. Horton, Preprint No.1466, July 71
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
The Comprehensive Plan in Transportation Planning, Kurt W. Bauer, TE3:July 70:421:7493
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851 TR:136:657
Computer Controls for Aqueduct Operation, Alfred R. Golze, PL1:Oct 68:19:6145 TR:136:536
Construction Expediting, Arthur Monsey, CO1:June 70:19:7356 TR:136:1314
Cost of Residential Solid Waste Collection, Robert M. Clark, B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Decision Criteria for Using Stochastic Hydrology, George K. Young, Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209 TR:136:1035
Design Concept for Assigning Urban Space, Richard W. Cockfield and Virginia K. Handa, UP2:Dec 71:191:8582
Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Dynamic Programming for Conjunction Water Use, Gert Aron and Verne H. Scott, HY5:May 71:705:8145
Effect of Intake Elevation and Operation on Water Temperature, Walter O. Wunderlich and Rex A. Elder, HY6:Nov 69:2081:6917 TR:136:328
Effects of Sediment on Water Resource Planning, Wayne A. Stufft, Preprint No.1545, Oct 71
Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589
Environment by Design, William L. Slayton, CE:Oct 71:85
Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208
Forecasting Water Demands and Systems Capabilities, Wyndham J. Roberts, Sandor C. Csallany and Neil G. Towery, SA6:Dec 70:1349:7745
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2:Dec 71:149:8568
General Financial Programs for Regional and Large Wastewater Systems, Edwin A. Wells and Jack H. McMinn, CWFE:Mar 71:147
Grouping Algorithms for Statewide Loadmeter Surveys, Shiva K. Pant and Frederick J. Wegmann, TE3:Aug 71:421:8288
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505
Issues in Statewide Transportation Planning, Joseph S. Drake and Lester A. Hoel, TE3:Aug 70:379:7480 TR:136:1072
Licensure of Planners and Its Effect on Civil Engineers, Kenneth P. Norrie, PP1:Oct 71:161:8463
Management Structure for Irrigation, Richard A. Smith, IR4:Dec 70:475:7722
Mobile Home Parks and American Municipalities, Stephen Sussna, UP2:Dec 71:139:8562
Municipal Considerations in Transportation Planning, Richard B. Robertson, TE1:Feb 69:1:6378 TR:136:1051
The New City of Columbia, Md., Edwin Baker, CE:Sept 70:57 TR:136:715
New Directions for Wastewater Collection and Disposal, Daniel A. Okun, CWFE:Mar 71:157
Open Space Accessibility for Recreation, Lawrence D. Mann, UP2:Dec 71:207:8607
Origin, Purpose, and Status of Project, Robert A. Nelson, TE4:Nov 70:439:7655 TR:136:1244
Orthophotomapping for Prudhoe Bay Development, Thomas J. O'Brien, SU2:Nov 71:199:8499
Planning for Memphis Medical Center Traffic and Parking, William H. Claire and Randall A.P. Johnson, TE1:Feb 71:51:7882
Planning Industrial Areas for Barge Ports, E. A. Brinkman and George F. West, Preprint No.1566, Oct 71
Planning Standards for Storm Drainage, Myron D. Calkins, UP1:Mar 70:53:7133 TR:136:869
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459 TR:136:1032
Replacement-Lock and Dam No. 26: Plans Considered, Richard C. Armstrong, WW1:Feb 70:49:7071 TR:136:418
Report on the Session on Planning for Clean Water in Terms of Ecology and the Social Environment, William F. Garber, CWFE:Mar 71:35
Safe Yield of Aquifers: An Economic Reformulation, Robert A. Young, IR4:Dec 70:377:7719
Satisfying Water Needs in Southern California, Jack J. Coe, IR2:June 71:233:8193
Service Volumes for Functional Classification, Thomas R. Bright, TE4:Nov 70:561:7671 TR:136:1189
Simulation for Planning Railroad Operations, Edward J. Sierleja, Preprint No.1437, July 71
Simulation of Waterway Transport Systems, Joseph L. Carroll and Michael S. Bronzini, TE3:Aug 71:527:8311
Social Consequences and Water Resources Planning and Development, Asit K. Biswas and Robert W. Durie, Preprint No.1343, Jan 71
Space Consumption - The Emphysema of Transportation, Bruce M. Davidson, Preprint No.1503, July 71
Status of Water Resource Systems Analysis, Leo R. Beard, Preprint No.1308, Jan 71
The Super Airport, Lloyd S. Laity, Preprint No.1508, July 71

Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476
Technical Movie of Papago Freeway, John Girand, TE4:Nov 71:619:8506
Technological Forecasting and Morphological Analysis, S. R. Fields, Preprint No.1475, July 71
Topographic Maps for Construction Planning, Robert H. Lyddan, SU1:Apr 70:51:7221
TR:136:762
Transportation Planning: Myths and Realities, Raymond H. Ellis, Preprint No.1482, July 71
Turn Penalty Effects on Minimum Time Paths, Donald L. Woods, J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238
Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128
TR:136:853
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144
TR:136:906
Versatility and Expandability of Pretreatment, Rolf Eliassen and D. F. Coburn, SA2:Apr 69:299:6514
TR:136:1038
Views of Port Industry, Roger H. Gilman, WW1:Feb 71:3:7919
Water Resources Planning Model, John F. Brotchie, TN: HY10:Oct 71:1801:8413
West Virginia Commercial Air Trip Generations, Dennis C. Judycki, Frederick J. Wegmann and Everett C. Carter, TE2:May 70:185:7281
TR:136:492

Plant Ecology

The Cross-Florida Barge Canal: A Lesson in Ecology, Suzy Fisher, CE:Apr 71:44
Weed Control in the Arid Southwest, James W. Kirby and A. Darrell Summers, Preprint No.1315, Jan 71

Plants (Botany)

Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208

Plastic Analysis

Analysis of Elastic-Plastic Shells of Revolution, Mahmoud Khojasteh-Bakht and Egor P. Popov, EM3:June 70:327:7354
TR:136:936
Approximate Yield Surface Equations, Glenn A. Morris and Steven J. Fenves, EM4:Aug 69:937:6741
TR:136:225
Collapse Load Analysis Using Linear Programming, Donald E. Grierson and Graham M. L. Gladwell, ST5:May 71:1561:8127
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71:2519:8443
Plane Stress Limit Analysis by Finite Elements, Ted Belytschko and Philip G. Hodge, Jr., EM6:Dec 70:931:7746
Plastic Analysis of Transversely Loaded Frames, Neil Jackson, ST8:Aug 71:2047:8284
Rotation Capacity of Beams Under Moment Gradient, A. F. Lukey and Peter F. Adams, ST6:June 69:1173:6599
TR:136:119
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71:1097:8031
Yielding in Framed Structures Under Dynamic Loads, Navin C. Nigam, EM5:Oct 70:687:7613
TR:136:1125

Plastic Deformation

Post-Elastic Deflection of Plates, Roger Hooke, ST4:Apr 70:757:7206
TR:136:904

Plastic Design

Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70:573:7159
TR:136:834
Load Carrying Capacity of Simple Composite Columns, J. W. Roderick and D. F. Rogers, ST2:Feb 69:209:6412
TR:136:690
Local Plastic Buckling of A514 Steel Members, John F. McDermott, ST9:Sept 69:1837:6761
TR:136:204
Plastic Bending of A514 Steel Beams, John F. McDermott, ST9:Sept 69:1851:6762
TR:136:212
Probability of Plastic Collapse Failure, James L. Jorgenson and John E. Goldberg, ST8:Aug 69:1743:6751
TR:136:736
Shakedown Tests on Steel Bars and Beams, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1287:7395
TR:136:969

Plasticity

Analysis of the Triaxial Test for Granular Soils, Paul R. Paslay and Jay B. Weidler, EM3:June 69:587:6611
TR:136:1063
Cyclic Yield Reversal in Steel Building Joints, Egor P. Popov and Bruce R. Pinkney, ST3:Mar 69:327:6441
TR:136:39
Extensibility of Concrete and Theorems of Limit Analysis, Wai F. Chen, EM3:June 70:341:7369
TR:136:874
Further Studies of Inelastic Beam-Column Problem, Wai F. Chen, ST2:Feb 71:529:7922
Inelastic Buckling of Axisymmetric Shells, James C. Hayes and Lawrence H.N. Lee, EM6:Dec 70:1107:7765
Inelastic Response of Frames to Dynamic Loads, Theodore G. Toridis and Khalilollah Khozeimeh, EM3:June 71:847:8205
Limit Analysis of Plane Problems in Soil Mechanics, John Lysmer, SM4:July 70:1311:7416
TR:136:1005
Limit Analysis Of Stability Of Slopes, Wai F. Chen and M. W. Giger, SM1:Jan 71:19:7828
Optimum Design of Reinforced Concrete Tanks, Robert E. Melchers and George I. N. Rozvany, EM6:Dec 70:1093:7739
Plastic Analysis of a Plate Sealing a Fluid, Richard H. Lance and David N. Robinson, EM6:Dec 70:1183:7742
TR:136:1318
Plastic Indentation of Metal Blocks by Flat Punch, Wai F. Chen, EM3:June 70:353:7370
TR:136:897
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108
Two Nonlinear Beams with Definitions of Ductility, Melbourne F. Giberson, ST2:Feb 69:137:6377
TR:136:799
Yield and Failure of a Clay Under Triaxial Stresses, Raymond N. Yong and Edward McKyes, SM1:Jan 71:159:7790

Plasticity Index

Rapid Determination of Plasticity Index, Roland A. Pettit†, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59

XUM

Plastic Pipes
Friction Factors for Corrugated Plastic Tubing, Lee F. Hermsmeier and Lyman S. Willardson, IR3:Sept 70:265:7531
Plastic Relining of Small-Diameter Pipes, Raymond M. Brenner, SA2:Apr 70:297:7216
TR:136:549
Subsurface Irrigation Easily Automated, Sterling Davis and Sheldon D. Nelson, IR1:Mar 70:47:7135
TR:136:483

Plastic Properties
An Analytical Description of the Behavior of Granular Media, Jay B. Weidler and Paul R. Paslay, EM2:Apr 69:379:6491
TR:136:712
Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Bounds on Large Dynamic Deformations of Structures, Tomasz Wierzbicki, EM3:June 70:267:7344
TR:136:835
Elastic-Plastic Analysis of Frameworks, Glenn A. Morris and Steven J. Fenves, ST5:May 70:931:7293
TR:136:698
Elastic-Plastic Behavior of Intersecting Shells, Fernand Ellyin, EM1:Feb 69:69:6387
TR:136:701
Elastic-Plastic Bending of Rectangular Plates, Gerald W. May and Kurt H. Gerstle, ST7:July 71:1863:8237
Limit Analysis of Plates Under Combined Loads, Kenneth W. Neale and Niels C. Lind, EM5:Oct 70:711:7610
TR:136:1151
Plane Strain Consolidation by Finite Elements, John T. Christian and Jan Willem Boehmer, SM4:July 70:1435:7437
Plane Stress Limit Analysis by Finite Elements, Ted Belytschko and Philip G. Hodge, Jr., EM6:Dec 70:931:7746
Plastic Behavior of Beams with Reinforced Holes, Judith G. Congdon and Richard G. Redwood, ST9:Sept 70:1933:7561
TR:136:1043
Plastic Design of Multistory Frames by Computer, George C. Driscoll, James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
TR:136:509
Spherical Waves in Inelastic Materials, Jeremy Isenberg and Anjan K. Bhaumik, EM3:June 71:901:8207
Stress Analysis of Contractive or Dilative Soil, Ian M. Smith and Stephen Kay, SM7:July 71:981:8263
Ultimate Biaxial Capacity of Boxed Steel Columns, Peter J. Marshall and John S. Ellis, ST9:Sept 70:1873:7515
TR:136:1040
Wind Action on Simple Yielding Structures, Barry J. Vickery, EM2:Apr 70:107:7204
TR:136:1218

Plastics
Concrete-Polymer Composites, Lawrence E. Kukacka, Peter Colombo, Meyer Steinberg and Bernard Manowitz, ST9:Sept 71:2217:8363
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
Plastic Liners for Candu Containment Structures, E. C. Smith, Preprint No.1307, Jan 71
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435

Plastic Theory
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1:Feb 71:13:7902
Yield Points For Partially Loaded Spherical Domes, John Schroeder and Prasanta Roy, EM1:Feb 71:63:7888

Plate Girders
Fatigue Strength of Hybrid Plate Girders, A. Anthony Toprac and Murugesam Natarajan, ST4:Apr 71:1203:8069

Plate Load Tests
Field Studies of Response of Peat to Plate Loading, J. B. Forrest and I. C. MacFarlane, SM4:July 69:949:6652
TR:136:146

Plates
Analysis of Space Truss as Equivalent Plate, William R. Flower and Lewis C. Schmidt, ST12:Dec 71:2777:8569
Axisymmetric Finite Deflection of Circular Plates, Gordon B. J. Mah, EM5:Oct 69:1125:6832
TR:136:333
Buckling of Clamped Rectangular Plates, Lotfi El-Bayoumy, EM4:Aug 71:1277:8336
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Buckling of Plates of Abruptly Varying Stiffness, P. Paramasivam and Jawalker K. Sridhar Rao, ST6:June 69:1313:6635
TR:136:744
Buckling of Simply Supported Folded Plates, Michel L. Mikhail and Sidney A. Guralnick, EM5:Oct 71:1363:8414
Effective Width of Thin Plates in Compression, George Abdel-Sayed, ST10:Oct 69:2183:6837
TR:136:291
Maximum Strength Elastic Structural Design, J. E. Taylor, EM3:June 69:653:6617
TR:136:1086
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Plastic Analysis of a Plate Sealing a Fluid, Richard H. Lance and David N. Robinson, EM6:Dec 70:1183:7742
TR:136:1318
Response of Beams and Plates to Moving Loads, D. M. Yoshida and William Weaver, Jr., Preprint No.1366, Apr 71
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327
Ultimate Strength of Plates in Uniaxial Compression, Archibald N. Sherbourne and R. M. Korol, Preprint No.1386, Apr 71
Water Wave Pressure on Horizontal Plate, Hsiang Wang, HY10:Oct 70:1997:7629

Plates (Structural Members)
Analysis of Simply Supported Thick, Layered Plates, Yau-kai Cheung and Subrata Chakrabarti, TN:EM3:June 71:1039:8160
Behavior of Stiffened Curved Plate Model, Conrad P. Heins, Jr. and Robert L. Hails, ST11:Nov 69:2353:6876
TR:136:329
Bending of Clamped Orthotropic Sandwich Plates, G. M. Folie, EM3:June 70:243:7340
Buckling and Vibrations of Polygonal and Rhombic Plates, Sanford B. Roberts, EM2:Apr 71:305:8030
Buckling of Multilayer Plates by Finite Elements, Harry R. Lundgren and Ahmed E. Salama, EM2:Apr 71:477:8051
Buckling of Polar Orthotropic Annular Plates, K. Vijayakumar and C. V. Joga Rao, EM3:June 71:701:8171
Buckling of Rhombic Plates, Patricio A. Laura and Joseph Grosson, TN:EM1:Feb 71:145:7858
Buckling of Simply Supported Skew Plates, Somayajulu Durvasula, EM3:June 71:967:8218

Concrete Box-Girder Bridges as Sandwich Plates, J. G. Arendts and Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Deflection of Circular Plate with Built-in Edges, Manuel A.G. Silva and Leon M. Keer, ST8:Aug 71: 2073:8319
Dynamics of Impulsively Loaded Circular Plates, Robert J. Green, EM2:Apr 71:413:8079
Dynamic Stability of Circular Cylindrical Sandwich Panels, Conor D. Johnson and Nelson R. Bauld, Jr., EM6:Dec 71:1643:8598
Dynamic Stability of Plates by Finite Elements, Johnny M. Hutt and Ahmed E. Salam, EM3:June 71:879:8211
Effective Width of Steel Deck-Plate in Bridges, George Abdel-Sayed, ST7:July 69:1459:6673
TR:136:516
Effect of Skew Penetration on Stress Concentration, Fernand Ellyin and Archibald N. Sherbourne, EM6:Dec 68:1317:6265
TR:136:37
Elastic Buckling of Beam Flange Plates, Kuang-Han Chu and Albert J. Gouwens, TN: EM4:Aug 71: 1329:8273
Elastic Plastic Bending of Circular Plates, Narendra K. Srivastava and Archibald N. Sherbourne, EM1: Feb 71:13:7902
Elastic-Plastic Bending of Rectangular Plates, Gerald W. May and Kurt H. Gerstle, ST7:July 71:1863: 8237
Element Stiffness Matrix Generator, Richard H. Gunderson and Ayhan Cetiner, ST1:Jan 71:363: 7842
Experimental Verification of Discrete-element Solutions for Plates, Sohan L. Agarwal and W. Ronald Hudson, TN: ST8:Aug 71:2159:8275
Finite-Difference Methods for Plate Vibration Problems, Harold J. Salane and Hudson Matlock, ST3:Mar 69:441:6477
TR:136:55
Finite Element Bending Analysis of Reissner Plates, Charles W. Pryor, Jr., Richard M. Barker and Daniel Frederick, EM6:Dec 70:967:7760
Finite Element on Elastic Foundation, Henry T.Y. Yang, ST10:Oct 70:2083:7604
Flexural Vibrations of Rectangular and Other Polygonal Plates, Yau-Kai Cheung and M. S. Cheung, EM2:Apr 71:391:8038
Free Transverse Vibration of Flat Slabs, Paul P. Lynn and Nahit Kumbasar, EM1:Feb 69:255:6425
TR:136:727
Geometrically Nonlinear Finite-Element Analysis, Carlos Brebbia and Jerome J. Connor, EM2:Apr 69: 463:6516
TR:136:731
Irregular Shaped Plates with Singularities, David H. Geiger, EM5:Oct 71:1533:8458
Large Deflections of Curved Plates, Henry W. L. Lee and Conrad P. Heins, Jr., ST4:Apr 71:1143:8045
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Numerical Method for Elastic Stability Problems, Chiyyarath V. Girijavallabhan, ST11:Nov 71:2691: 8530
Post-Elastic Deflection of Plates, Roger Hooke, ST4: Apr 70:757:7206
TR:136:904
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424
Spaced Steel Columns, Bruce G. Johnston, ST5:May 71:1465:8109
Stability of Edge-Reinforced Circular Plate, Rene Amon and Otto E. Widera, TN: EM5:Oct 71:1597: 8412
Staggered Columns in Flat Plates, Maurice P. Van Buren, ST6:June 71:1791:8222
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612
Upper Bounds in Complementary Energy Method, Cenap Oran, EM4:Aug 71:1093:8289
Volume Minimization of Thin Plates Subject to Constraints, Zachary Sherman and Ping-Chun Wang, EM3:June 71:741:8192

Plotters

Automatic Drafting System Aids Wisconsin Bridge Design, Leon J. Schuchardt, CE:Feb 70:38
TR:136:164
Computer Aids Draftsmen in Soil Profiles and Analysis, George Kisak and B. James Greenfield, CE:Feb 71:67

Plotting

Computer Plotted Prestressed Concrete Design Charts, Leonard Rice, ST3:Mar 71:863:7993

Plugging

Clogging of Porous Column of Spheres by Sediment, Ramaswamy Sakthivadivel and H. Hans Einstein, HY2:Feb 70:461:7075
TR:136:506

Plumes

Formulas for Convective Motion of Fluids, Gee Tsang, TN: EM1:Feb 71:155:7858
Power Law Solutions for Vertical Plumes, Richard R. Brock, HY9:Sept 70:1803:7523

Poisson Density Functions

Queueing at Single-Berth Shipping Terminal, Alan J. Miller, WW1:Feb 71:43:7895

Poles

Local Buckling of Tubular Steel Poles in Bending, Robert A. Fiss, Preprint No.1568, Oct 71
Steel Highway Accessory Structures, Don S. Wolford, ST7:July 71:1991:8255

Poles (Supports)

Impact Tests on Prototype Transmission Pole Structures, W. Carl Anderson, Preprint No.1527, Oct 71
Structural Timber Research at Forest Products Lab, Fred Werren, ST12:Dec 69:2891:6980
TR:136:491
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133

Policies

Policy Development--An Emerging Role for Civil Engineers, Robert F. Baker, PP1:Oct 71:35:8478
Public Policy Issues in Weather Modification, Dean E. Mann, IR3:Sept 69:375:6772
TR:136:1218

Political Aspects

Policy Delphi: A Regional Planning Application, Jerry B. Schneider, Preprint No.1454, July 71
Policy Development--An Emerging Role for Civil Engineers, Robert F. Baker, PP1:Oct 71:35:8478
Pollution, Politics and Protest, Charles L. Gould, PP1:Oct 71:23:8468
The U.S. Water Quality Program Part II, Eugene E. Dallaire, CE:Oct 71:81
Water Management and the Public, Duane W. Hill and Roy L. Meek, UWRM:pp.43-46, 1971

Political Constraints

Predicting Urban Transportation Controversy, Frank C. Colcord, Jr., Preprint No.1477, July 71

Political Objectives

Politics and Water Pollution, William H. Wisely, CE: Oct 70:41
Dsc: C. L. Shimek, CE:Jan 71:71; Thomas R. Camp, CE:Feb 71:46; Eugene T. Jensen, CE: May 71:43

XUM

Pollution
Analysis Techniques for Houston Ship Channel, Roy W. Hann, Jr., WW2:May 70:171:7258
TR:136:1193
Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
Effects of Viscous Sublayer on Dispersion, Chin-lien Yen, SA6:Dec 69:1105:6971
TR:136:568
Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550
Pollution, Politics and Protest, Charles L. Gould, PP1:Oct 71:23:8468
Pollution Potential of Sediments, H. G. Brown and W. J. Keffer, Preprint No.1544, Oct 71
Potable Water Availability on Long Oceanic Islands, Eugene W. Rochester, Jr. and George J. Kriz, SA5: Oct 70:1235:7627
TR:136:1019
Predicting Concentration Profiles in Open Channels, Harvey E. Jobson and William W. Sayre, HY10: Oct 70:1983:7618
The Role of the Civil Engineer in Remote Sensing, James L. Clapp, Preprint No.1337, Jan 71
Sewage Treatment System Odors and Air Pollutants, Ralph Stone, SA4:Aug 70:905:7456
TR:136:1004
Students Tackle Pollution Problems, Darrell J. Turner, CE:Sept 70:51
Dsc: M. S. Misra, CE:Jan 71:64
TR:136:694
USBR Specifications Focus on Environment, Bernard P. Bellport, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70
Vertical Transfer in Open Channel Flow, Harvey E. Jobson and William W. Sayre, HY3:Mar 70:703: 7148
TR:136:662

Pollution Abatement
Assuring a Desirable Quality of Life, CE:Sept 71:73
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405

Pollution Control
Space Consumption - The Emphysema of Transportation, Bruce M. Davidson, Preprint No.1503, July 71
Steady-state Profile for Oil Barriers, Richard Robbins, David Hoult and Ralph Cross, III, TN: WW1:Feb 71:235:7891

Polygons
Buckling and Vibrations of Polygonal and Rhombic Plates, Sanford B. Roberts, EM2:Apr 71:305:8030
School Buildings Feature Polygon Shape, German Gurfinkel, CE:Dec 70:31
TR:136:1184

Ponding
Ponding of Liquids on Flat Roofs, J. Chinn, A. H. Mansouri and Staley F. Adams, ST5:May 69:797: 6539
TR:136:66
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, IR3:Sept 71:469:8351

Ponds
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, Preprint No.1297, Jan 71
Enteric and Pathogenic Bacteria Dieoff Effects by Algae, E. M. Davis, M. Pen and Earnest F. Gloyna, NSCD:pp.539-561, 1971
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Pontoons
Lift Dock Combines Drydock and Transfer Platform, Amirikian Arsham, CE:July 71:37

Population Growth
The Aftereffects of Annexation--A Case Study, Russell E. Helms, UP1:Apr 69:15:6490
TR:136:811
Planning Cities for the Year 2000, John Fischer, CE: Sept 70:54
TR:136:703

Population
Population and People, William H. Wisely, CE:Dec 70:27
Dsc: Duane L. Cronk, Edmund S. Muskie, Robert Taft, Jr., Peter C. Kohnke and Victor H. Weidmann, CE:Apr 71:40; Eugene H. Harlow, CE:Apr 71:41; Paul J. Costic, III, CE:Apr 71: 41; Harvey E. Jobson and Harold B. Gotaas, CE:Apr 71:41; Robert L. McFall, Victor L. Hauser and Lawrence P. Kolb, CE:Apr 71:41; Graham Purcell, CE:Apr 71:41; James Abourezk, CE:Apr 71:4; Wilson V. Binger, CE: Apr 71:41; R. O. Sylvester, Frank E. Stratton and David H. Howells, CE:Apr 71:41; Peter G. Koltnow, CE:Apr 71:

Pore Pressure
Evaluation of Pore Pressures Beneath and Embankment, David J. D'Appolonia, T. William Lambe and Harry G. Poulos, SM6:June 71:881: 8213

Pore Water Pressure
Breakout Resistance of Objects Embedded in Ocean Bottom, Aleksandar Sedmak Vesic, SM9:Sept 71: 1183:8372
Field Studies of Response of Peat to Plate Loading, J. B. Forrest and I. C. MacFarlane, SM4:July 69: 949:6652
TR:136:146
Physics of Desaturation in Porous Materials, Nikolas F. White, Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878
Pore Pressures, Consolidation, and Electrokinetics, Melvin I. Esrig, PISST:pp.263-285, 1971
Seepage Effect on Channel Bank Stability, Philip H. Burgi and Susumu Karaki, IR1:Mar 71:59:7968
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466

Porosimeters
Pore Size Distribution Studies, Asuri Sridharan, Adolph G. Altschaeffl and Sidney Diamond, SM5: May 71:771:8151

Porosity
Hydraulic Resistance of Artificial Concrete Blocks, Nobuo Shuto and Hiroshi Hashimoto, 12CEC: pp.1587-1599, 1971

Porous Materials
Behavior Of Porous Bed Near Flow Singularity, C. Samuel Martin, SM2:Feb 71:393:7935
Clogging of Porous Column of Spheres by Sediment, Ramaswamy Sakthivadivel and H. Hans Einstein, HY2:Feb 70:461:7075
TR:136:506
Physics of Desaturation in Porous Materials, Nikolas F. White, Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878
Radial Flow Between Porous and Solid Discs, Chyan S. Chiou and Harold L. Weissberg, TN: EM6:Dec 71:1759:8559
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466

Porous Media
Exact Flow Rates from Dupuit's Approximation, W. Bruce Hunt, HY3:Mar 70:633:7140
TR:136:613

Nonlinear Flow in Porous Media, Nazeer Ahmed and Daniel K. Sunada, HY6:Nov 69:1847:6883 TR:136:818
Nonlinear Flow in Porous Media by Finite Elements, Raymond Edward Volker, HY6:Nov 69:2093:6927 TR:136:336
Salt Water Interface During Ground-Water Pumping, Norbert L. Ackermann and Y. Y. Chang, HY2:Feb 71:223:7920

Porous Media Flow
Computer Analysis of Free Surface Well Flow, Willem F. Brutsaert, E. Allen Breitenbach and Daniel K. Sunada, IR3:Sept 71:405:8376

Ports
Evolution of Tidewater Port, Chester A. Peyronnin, Jr., WW2:May 70:387:7287 TR:136:949
Infrastructure Planning: Force Behind Port of Rotterdam's Growth, Sverre E. Bergh, CE:May 71: 79
Planning Industrial Areas for Barge Ports, E. A. Brinkman and George F. West, Preprint No.1566, Oct 71
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750 TR:136:1092

Portugal
Experimental Study of the Hydraulic Behaviour of Inclined Groyne Systems, Julio Patriarca Barcelo, 12CEC:pp.1021-1040, 1971

Position (Location)
Geodetic Computations by Electronic Computer, Gerald F. Clohecy, SU1:May 71:97:8105

Potable Water
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405
Emergency Water Disinfection Practice, Surinder K. Kapoor and John T. O'Connor, NSCD:pp.179-188, 1971
Engineering Evaluation of Virus Hazard in Water, by the Committee on Environmental Quality Management of the Sanitary Engineering Division, Bernard B. Berger, Chmn., SA1:Feb 70:111:7112 TR:136:1064

Potential Flow
Pattern Of Potential Flow in a Free Overfall, Theodor Strelkoff and Mohammad S. Moayeri, HY4:Apr 70:879:7207 TR:136:993

Power
Additions To Chief Joseph Dam Power Project, A. Lee Warbington, PO2:Mar 71:493:7970
Advantages Of Inclined-Axis Hydroelectric Units, V. Shannon and Charles H. Fogg, PO2:Mar 71:395: 7948
Aesthetic Factors in Planning and Design of Libby Dam, Sydney Steinborn, PO1:Jan 70:39:6999 TR:136:330
Angat Project - The Leak in Tunnel Two, Wallace A. Waldorf, PO4:Dec 71:799:8571
Aquatic Ecosystems and Thermal Power Plants, Loren D. Jensen and Derek K. Brady, PO1:Jan 71: 209:7802
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Arch Dam Design: State-of-the-Art, Merlin D. Copen and Loyd R. Scrivner, PO1:Jan 70:93:7021 TR:136:746
Barge-Coal Handling at A.S. King Generating Plant, Arthur V. Dienhart and Norris R. Fitch, PO3:June 70:299:7322 TR:136:500
Basic Structural Design of Concrete Chimneys, Wadi S. Rumman, PO3:June 70:309:7334
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Challenge Of Underground Transmission and Distribution, David W. Gilman and Edward J. Steeve, PO1:Jan 71:151:7827
Chesapeake Bay Model Study for Calvert Cliffs, Lawrence C. Neale, PO4:Dec 71:827:8602
Churchill Falls Power Facilities, D. Wermenlinger, J. G.S. Thompson and J. M. Gardiner, PO2:Mar 71: 515:7974
Concrete Chimney Design, Construction and Operation, Philip G. Sikes, PO3:June 70:449:7368
Concrete Volume Change for Dworshak Dam, Donald L. Houghton, PO2:Oct 69:153:6825 TR:136:695
Condenser Cooling and Pumped-Storage Reservoirs, Eli Sefchovich, PO3:July 71:611:8247
Construction and Operation of Wells Dam, Joseph Anderson and Lee A. Wyngaard, PO2:Feb 71:335: 7975
Control of Ice Jams at Barrett Chute G.S., David R. Townsend, PO3:July 71:597:8244
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, PO3:July 71:589:8250
Cooling Water Structures for FitzPatrick Nuclear Plant, Ralph W. Gunwaldsen, Bruno Brodfeld and George E. Hecker, PO4:Dec 71:767:8572
Cooling Water Studies at Electric Power Station, R. Fred Gray and J. Ben Stephenson, PO2:Oct 69:293: 6853 TR:136:230
Cowlitz Salmon Hatchery, Quentin A. Edson and Ray J. Banys, PO1:Jan 71:61:7801
Design and Construction of Mossyrock Penstocks, Edgar T. Moore, PO1:Jan 71:49:7799
Design Criteria for Turbine-Generator Pedestals, Asadour H. Hadjian, PO1:Jan 70:1:6991
Design of Boundary Arch Dam, Jaroslav Pospisil and Michael D. Hayes, PO1:Jan 70:73:7012 TR:136:842
Design of Browns Ferry Chimney, John W. Smith and Asgeir Jonsson, PO3:June 70:437:7359 TR:136:1127
Design of Mossyrock Arch Dam, Roman P. Wengler and William Y. J. Shieh, PO1:Jan 71:25:7805
Determination of In Situ Stresses in Concrete Dams, Merlin D. Copen and George B. Wallace, PO2:Mar 71:455:7964
Development of Wells Hydroelectric Project, James G. Patrick, PO2:Mar 71:267:7967
Earthquake Forces on Equipment in Nuclear Power Plants, Asadour H. Hadjian, PO3:July 71:649:8240
Earthquake Research Needs For Nuclear Power Plants, George W. Housner, PO1:Jan 71:77:7818
Edward Hyatt (Orville) Underground Power Plant, Alfred R. Golze, PO2:Mar 71:419:7950
Effects of Reservoir Impoundment on Water Quality, Frank H. Posey, Jr. and Joseph W. DeWitt, PO1: Jan 70:173:7041 TR:136:1209
EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851
Graphical and Computer Analysis of Tailrace Surges, C. Samuel Martin, PO3:July 71:697:8261
Hydroelectric Power Plant Trashrack Design, Lloyd E. Sell, PO1:Jan 71:115:7819
Hyperbolic Cooling Towers, Development and Practice, Paul Rogers and Eli W. Cohen, PO1:Jan 70:117:7030 TR:136:899
Integration Of Pumped-Storage With Tidal Power, Thomas L. Shaw and Geoffrey R. Thorpe, PO1:Jan 71:159:7810
Investigation of Deteriorated Concrete Arch Dam, David Pirtz, Arthur G. Strassburger and Richard C. Mielenz, PO1:Jan 70:23:6997 TR:136:300
Lateral Spreading of Heated Discharge, John C. Sonnichsen, PO3:July 71:623:8245
Modeling Spread of Heated Water over Lake, Heinz Stefan, PO3:June 70:469:7375 TR:136:1115

XUM

Modernization of Dams on Salt River, J. George Thon, John W. O'Hara and Clarence H. Whalin, PO1:Jan 70:157:7039
TR:136:466
Mossyrock Arch Spillway, David S. Louie, PO1:Jan 71:39:7792
Mossyrock Project River-Diversion and Care of Fish, Earl J. Beck, PO1:Jan 71:1:7800
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939
Nuclear Power Plant Tornado Design Considerations, James A. Dunlap and Karl Wiedner, PO2:Mar 71:407:7949
Penstocks For Six Pumped Storage Projects, J. Edgar Revelle and Robert W. Mikitka, PO2:Mar 71:435:7947
Portage Mountain Intake Structure and Facilities, H. Edward Howe, PO3:June 70:331:7342
TR:136:1048
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3:June 70:400:7355
Power and Energy Study of Hydroelectric Plants, Peri Z. Valvis and Miltos Th. Mathioudis, PO2:Mar 71:567:8003
Power Plant Cycles for Dry Cooling Towers, Paul Leung and Raymond E. Moore, PO4:Dec 71:729:8565
Prestressing For H.B. Robinson Nuclear Plant, Allan H. Wern, Morris Schupack and W. Larson, PO2:Mar 71:539:7992
Properties and Steel Tunnel Liners, George H. Kruse, PO3:June 70:4115:7357
Pumped Storage: State-of-the-Art, Richard S. Woodruff, Chmn., PO3:July 71:675:8262
PWR Containment Structures Design Experience, P. Blair Haga and John D. Stevenson, PO1:Jan 70:145:7037
TR:136:437
Reevaluation and Reconstruction of California Dams, Clifford J. Cortright, PO1:Jan 70:55:7008
TR:136:368
Rehabilitation of Wilson Dam Generating Units, William F. Willis and J. E. Kirkland, PO2:Oct 69:321:6861
TR:136:266
Reinforcing Steel for Penstock Wye Branch, Ekenneth E. Sorensen, PO2:Oct 69:217:6830
TR:136:163
Rock Mechanics Studies for Mossyrocky Arch Dam, David E. Kleiner and Richard C. Acker, PO1:Jan 71:11:7795
Rock Stabilization at Morrow Point Power Plant, Gilbert L. Brown, Ernest D. Morgan and Jerry S. Dodd, SM1:Jan 71:119:7820
Safety Inspection Of Hydro Projects-FPC Order 315, Arthur Martin, Jr., PO2:Mar 71:449:7958
Seismic Analysis of Nuclear Power Plant Structures, Richard N. Bergstrom, Shih-Lung Chu and Robert J. Small, PO2:Mar 71:367:7977
Select Reservoir Withdrawal by Multilevel Intakes, Walter B. Benton, William J. Wall and Shelton R. McKeever, PO1:Jan 70:109:7029
TR:136:409
Shape Factors for Cooling Lakes, John Eric Edinger, PO4:Dec 71:861:8616
Siting of Browns Ferry Nuclear Plant, Jack E. Gilleland, PO2:Oct 69:185:6827
TR:136:124
Sizing of Pumped Storage Conduits, Raymond K. Sullivan, Jr., PO3:July 71:667:8252
Soils Engineering For Wells Project, Harris H. Burke, PO2:Mar 71:317:7976
Steel Penstock Design For Tims Ford Dam, George E. Day and Horace S. Beckner, PO1:Jan 71:203:7803
Structural Design of Wells Hydrocombine, C. C. Wang, PO2:Mar 71:281:7980
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475:7966
Thermal Hydraulic Study: Arkansas Cooling Reservoir, Herbert S. Riesbol, James B. Anderson, Fred H. Wend and Harlan B. Holmes, PO1:Jan 71:93:7811
Tower Designs for AEP 765-KU Project, Richard A. Kravitz and James A. Samuelson, PO2:Oct 69:305:6855
Transporting Equipment for Grand Coulee Third Plant, Harold G. Arthur, PO2:Nov 68:125:6226
TR:135:289
Waste Heat Disposal from Power Generating Stations, F. Stewart Brown, PO3:June 70:277:7317
TR:136:982
Water Consumption Study for Navajo Plant, Paul Leung and Raymond E. Moore, PO4:Dec 71:749:8564
Wells Hydroelectric Project Fish Facilities, Robert T. Loder and Michael W. Erho, PO2:Mar 71:301:7982

Power Lines

Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133

Powerplants

Advantages Of Inclined-Axis Hydroelectric Units, V. Shannon and Charles H. Fogg, PO2:Mar 71:395:7948
Condenser Cooling and Pumped-Storage Reservoirs, Eli Sefchovich, PO3:July 71:611:8247
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, PO3:July 71:589:8250
Cooling Water Density Wedges in Streams, Edward M. Polk, Jr., Barry A. Benedict and Frank L. Parker, HY10:Oct 71:1639:8446
Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Edward Hyatt (Orville) Underground Power Plant, Alfred R. Golze, PO2:Mar 71:419:7950
Fourth Dimension for Urban Environment, Kenneth E. Sorensen, UP1:Apr 71:91:8064
Heated Discharge from Flume into Tank, Heinz Stefan and Frank R. Schiebe, SA6:Dec 70:1415:7762
Integration Of Pumped-Storage With Tidal Power, Thomas L. Shaw and Geoffrey R. Thorpe, PO1:Jan 71:159:7810
Model of Natural Draft Cooling Tower Performance, Lawrence D. Winiarski and Bruce A. Tichenor, SA4:Aug 70:927:7461
TR:136:1028
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3:June 70:400:7355
Power Optimization for Prescribed Thermal Pollution, Amir N. Nahavandi and Michael Pappas, PO3:July 71:631:8254
Power Plant Cycles for Dry Cooling Towers, Paul Leung and Raymond E. Moore, PO4:Dec 71:729:8565
Power Plant Siting - Social/Political Considerations, R. S. McGinnis, Preprint No.1528, Oct 71
Recirculation in Shallow Bays and Rivers, R. K. Price, Robert A. Dalrymple and Robert G. Dean, 12CEC:pp.1813-1825, 1971
Rock Stabilization at Morrow Point Power Plant, Gilbert L. Brown, Ernest D. Morgan and Jerry S. Dodd, SM1:Jan 71:119:7820
Tailwater Encroachment, David N. Raffel, PO2:Oct 69:167:6798
TR:136:667
Thermal Discharge: A Model-Prototype Comparison, Peter D. Hindley, Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580
Tolerable Settlements of Steam Turbine-Generators, J. Ronald Sallen and Ralph B. Peck, PO2:Oct 69:227:6841
TR:136:86

Water Consumption Study for Navajo Plant, Paul Leung and Raymond E. Moore, PO4:Dec 71:749: 8564

Power Spectra
Interaction of Aircraft and Ground Structure, Nai C. Yang, ST6:June 70:1119:7360
TR:136:938

Power Transmission Lines
Challenge Of Underground Transmission and Distribution, David W. Gilman and Edward J. Steeve, PO1:Jan 71:151:7827
Designing Power Lines for Flexible Supports, Jordan Lummis and Robert A. Fiss, Preprint No.1362, Apr 71
EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851

Power Transmission Towers
EHV-DC System Ties Los Angeles to Northwest, William M. Mahoney, PO1:Jan 71:181:7851

Precipitation (Atmospheric)
A Nuclear Energy Concept for Water Development, L. P. Reinig, R. I. Brasier and Bob J. Donham, Preprint No.1304, Jan 71
Potential of Precipitation Modification, Eugene J. Aubert, Gurbachan P. Malhotra and D. B. Spiegler, Preprint No.1303, Jan 71
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71
Status of Weather Modification in Watershed Management, Merlin C. Williams, IR4:Dec 71:585: 8608
Within Storm Precipitation-Frequency Values, John F. Miller, Preprint No.1316, Jan 71

Precipitation (Chemistry)
Phosphate Removal: Summary of Papers, Milton Spiegel and Tom H. Forrest, SA5:Oct 69:803:6807
TR:136:89
Virus Inactivation During Phosphate Precipitation, Dirk R. Brunner and Otis J. Sproul, SA2:Apr 70: 365:7220
TR:136:1253

Precipitation (Meteorology)
Runoff Grouping for Detection of Change in Runoff, Hiroshi Nakamichi and Hubert J. Morel-Seytoux, IR2:June 71:275:8201

Precipitation Gages
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, HY9:Sept 71:1427: 8386

Precision
Rigorous Formulas for Effects of Weight Changes, Mohamed F. Madkour, SU2:Nov 71:173:8514
Rounds Versus Positions, Mohamed F. Madkour, SU1:Oct 69:151:6862
TR:136:679

Preconsolidation
Foundation Precompression With Vertical Sand Drains, Stanley J. Johnson, SM1:Jan 70:145:7019
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TR:136:578
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Predation
Destruction of Bacteria and Viruses in Seawater, Ralph Mitchell, SA4:Aug 71:425:8299

Predictions
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
Prediction Curves for Waves near the Source of an Impulse, Robert L. Miller, 12CEC:pp.609-624, 1971
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Prefabrication
Design of Seismic Joint for San Francisco Bay Tunnel, Walter S. Douglas and Robert Warshaw, ST4:Apr 71:1129:8040
Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, Kneeland A. Godfrey, Jr., CE:Sept 70:73
Dsc: A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56
TR:136:740
Multistory Prefabricated Columns, German Gurfinkel, CO2:Oct 70:137:7587
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Modernization of Dams on Salt River, J. George Thon, John W. O'Hara and Clarence H. Whalin, PO1:Jan 70:157:7039
TR:136:466

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The Influence of Breaker Type on Riprap Stability, John P. Ahrens, 12CEC:pp.1557-1566, 1971
Plunging Wave Pressures on a Semi-cylindrical Tube, Yuan Jen and Pang-Mou Lin, 12CEC:pp.1469-1490, 1971
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TR:136:34
Water Wave Pressure on Horizontal Plate, Hsiang Wang, HY10:Oct 70:1997:7629

Pressure Distribution
Contact Pressure of a Rigid Circular Foundation, Michael M.K. Ho and R. Lopes, SM3:May 69:791: 6554
TR:136:792
Fluctuating Pressures in Spillway Stilling Basins, C. Edward Bowers and Frank Y. Tsai, HY6:Nov 69: 2071:6915
TR:136:322
Numerical Model for Wave Pressure Distributions, J. Richard Weggel and W. Hall C. Maxwell, WW3: Aug 70:623:7467
Shear Strength Of Sand At Extremely Low Pressures, V. Miguel Ponce and James M. Bell, SM4:Apr 71: 625:8062
Structural Behavior of Concrete Arch Culvert, Raymond Eugene Davis, ST12:Dec 69:2665:6942
TR:136:430

Pressure Gages
Wave Propagation in Confined Clay, Delon Hampton, Peter J. Huck and Ernest T. Selig, SM4: July 70:1391:7434
TR:136:1020

XUM

Pressure Grouting
Treatment of High Embankment Dam Foundations, Fred C. Walker and R. W. Bock, Preprint No.1339, Jan 71

Pressure Regulators
Needle Valves as Pressure Regulators, J. Paul Tullis and Maurice L. Albertson, HY5:Sept 69:1633:6787 TR:136:220

Pressure Tunnels
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Properties and Steel Tunnel Liners, George H. Kruse, PO3:June 70:4115:7357

Pressure Vessels
Concrete Deep Submergence Hollow Shell Structures, Jerry D. Stachiw, ST12:Dec 69:2931:6982 TR:136:496
Elastic-Plastic Behavior of Intersecting Shells, Fernand Ellyin, EM1:Feb 69:69:6387 TR:136:701
Motar Models of Prestressed Concrete Reactor Vessels, James M. Corum, Richard N. White and Jack E. Smith, ST2:Feb 69:229:6419 TR:136:21

Pressurized Water Reactors
PWR Containment Structures Design Experience, P. Blair Haga and John D. Stevenson, PO1:Jan 70: 145:7037 TR:136:437

Prestressing
Cable Net: Continuous System Analysis, Hugh Tottenham and Paul G. Williams, EM3:June 70: 277:7347 TR:136:1187
Cylindrical Shell Roofs with Draped Prestressing, A. H. Bryant and J. C. Scrivener, ST4:Apr 71:611: 6496 TR:136:1083
Hyperbolic Functions for Prestress Loss and Camber, Raouf Sinno and Howard L. Furr, ST4:Apr 70:803: 7227 TR:136:876
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556 TR:136:72
Optimization of Redundant Prestressed Structures, Leonard Spunt, ST12:Dec 70:2589:7755
Optimum Prestressed Tubular Columns, Ralph L. Barnett, ST2:Feb 70:291:7083 TR:136:564
Prestressing For H.B. Robinson Nuclear Plant, Allan H. Wern, Morris Schupack and W. Larson, PO2: Mar 71:539:7992

Priorities
Evaluation of National Priorities: The Post Interstate Highway System, Paul L. Sitton, UT1:pp.3-18, 1971

Prismatic Bodies
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71

Probability
Bidding Contingencies and Probabilities, Marvin Gates, CO2:Nov 71:277:8524
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Probabilistic Aspects of Seiche Action on Ships, Francis Biesel, BMS:pp.27-47, 1971
Probability of Plastic Collapse Failure, James L. Jorgenson and John E. Goldberg, ST8:Aug 69:1743: 6751 TR:136:736

Probability Density Functions
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, SU2:Nov 71:287:8538
Life Expectancy of Highway Bridges to Vehicle Loads, Chi Chao Tung, EM6:Dec 69:1417:6976 TR:136:463
Peak Flood Discharge Confidence Limits, Richard M. Shane and Walter R. Lynn, HY1:Jan 69:161: 6329 TR:136:641

Probability Theory
Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052 TR:136:952
A Class of Probability Models for Littoral Drift, William R. James, 12CEC:pp.831-837, 1971
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Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576
Decision Theory Applied to Settlement Predictions, Joseph I. Folayan, Kaare Hoeg and Jack R. Benjamin, SM4:July 70:1127:7390 TR:136:1134
Design Capacities to Accommodate Forecast Uncertainties, Paul M. Berthouex and Lawrence B. Polkowski, SA5:Oct 70:1183:7633 TR:136:1180
Formulation of Structural Reliability, James T.P. Yao and Hsiang-Yueh Yeh, ST12:Dec 69:2611:6939 TR:136:407
Free Vibration of Stochastic Beam-Column, Masaru Hoshiya and Haresh C. Shah, EM4:Aug 71:1239: 8331
Maximum Dynamic Response and Proof Testing, J. N. Yang and E. Heer, Preprint No.1372, Apr 71
Maximum Entropy Mixing in Estuaries, Dominic M. Di Toro, TE4:July 69:1247:6885 TR:136:981
Maximum Wave Height Probabilities for a Random Number of Random Intensity Storms, Leon Emry Borgman, 12CEC:pp.53-64, 1971
Objective Determination of Safety Factor in Reservoir Design, E. R. Close, Leo R. Beard and D. R. Dawdy, ST5:May 70:1167:7297 TR:136:1235
OPBID: Competitive Bidding Strategy Model, Thomas L. Morin and Richard H. Clough, CO1: July 69:85:6690 TR:136:1062
Probabilistic Aspects of Seiche Action on Ships, Francis Biesel, BMS:pp.27-47, 1971
Probabilistic Response Analyses to Earthquakes, R. Narayana Iyengar and Kashi T. Sundara Raja Iyengar, EM3:June 70:207:7321
Probabilistic Variations in Ultimate First Stage BOD, Veerasamy Kothandaraman, SA1:Feb 70:27:7054 TR:136:425
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Probability Distributions for Hurricane Effects, Larry R. Russell, WW1:Feb 71:139:7886
Properties of Spectral Moments with Application to Random Vibration, Erik H. Vanmarcke, Preprint No.1375, Apr 71
Random Walk Model for First-Passage Probability, Richard H. Toland and Cheng Y. Yang, EM3:June 71:791:8200
Reliability of Redundant Cable System, Masaru Hoshiya, TN: ST11:Nov 71:2773:8490
Reliability Optimization in Isostatic Structures, Emilio Rosenblueth and Enrique Mendoza, EM6: Dec 71:1625:8584
Risks in Hydrologic Design of Engineering Projects, Ben Chie Yen, HY4:Apr 70:959:7229 TR:136:1096
Run-Up Distributions of Waves Breaking on Slopes, Jurjen A. Battjes, WW1:Feb 71:91:7923

Safety Factors and Probability in Structural Design, Alfredo H.-S. Ang and Mohammad Amin, ST7:July 69:1389:6667
TR:136:161
Single Particle Radioactive Sediment Tracers, Neil S. Grigg, Preprint No.1301, Jan 71
Stochastic Model of Turbulent Channel Flow, Jay C. Hardin and Arnold L. Sweet, EM2:Apr 71:375:8056
Subjective Uncertainty Analysis, C. B. Brown and R. S. Leonard, Preprint No.1388, Apr 71
Upper Bound for Two-Sided Barrier Problem, Arnold L. Sweet, EM6:Dec 69:1369:6962
TR:136:433
Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449

Problem Solving
Artificial Intelligence Continuum Mechanics, Andrew K.C. Wong and George Bugliarello, EM6:Dec 70:1239:7779
Engineering and Society: A Contemporary Challenge, George R. Beetle, CE:Feb 71:51
Dsc: Robert F. Borg, CE:July 71:40

Procedure Oriented Languages
Computer Systems for Urban Design and Development, Niles O. Sutphin, William F. Sommerfeld, Lavette C. Teague, Jr. and G. Neil Harper, UP1:Apr 71:63:8055
Experience with POL Environment, Edward L. Murphree and John W. Melin, ST1:Jan 71:301:7835
Fire Intensity-Resistance Evaluation, Edward M. Krokosky, ST11:Nov 70:2501:7706
TR:136:1282
Settlement Problem Oriented Computer Language, Robert L. Schiffman, Robert V. Whitman and Jane C. Jordan, SM2:Mar 70:649:7178

Professional Activities
Breaking New Ground, Oscar S. Bray, PP1:Oct 71:1:8473
Civil Engineering in Health Care Systems, Tung Au, PP1:Oct 71:87:8470
Civil Engineering Management in Private Practice, Elmer K. Timby, PP1:July 69:17:6661
TR:136:88
Civil Engineering Management in Public Practice, Samuel S. Baxter, PP1:July 69:23:6662
TR:136:761
The Civil Engineer: Quiet Man or Spokesman?, Hadley Johnson, Jr., PP1:Oct 71:51:8467
The Environmental Challenge--Values in Conflict, James H. Wright, PP1:Oct 71:17:8471
Foreign Service, E. C. Kobs, PP1:July 69:79:6703
TR:136:815
Guide for Public Agency Professional Development, Marble J. Hensley, PP1:Sept 70:55:7553
Guidelines for Engaging in Public Affairs Activities, James W. McPhillips, PP1:Oct 71:167:8480
Pollution, Politics and Protest, Charles L. Gould, PP1:Oct 71:23:8468
Position Paper on Civil Engineering Education, by the ASCE Committee on Engineering Education, Merit P. White, Chmn., PP1:July 69:29:6671
TR:136:1102
Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71
Prospectives in Bioengineering Research for Civil Engineers, George Bugliarello, PP1:Oct 71:83:8461
Social and Ecological Implications of Proposals for Out-of-Basin River Diversions, Bernard B. Berger, PP1:Oct 71:95:8481
To Practice or Perish, Dan H. Pletta and George A. Gray, PP1:Oct 71:131:8474
What's the Deal? Government Negotiates Engineering Services, Richard H. Tatlow, III, PP1:Sept 70:81:7557
TR:136:1167

Professional Advancement
Booby Traps for Young Engineers on Construction, Edward A. Merrill, CO2:Nov 71:305:8541
Civil Engineer in Federal Government, Nicholas J. Oganovic, PP1:Sept 70:9:7546
TR:136:879
Engineering Societies' Program for Training Minority Manpower, Sol E. Cooper, PP1:July 69:61:6694
TR:136:301
Moonlighting and Professional Responsibility, George L. Reed, PP1:Sept 70:19:7548
The Nature of Continuing Education, Alfred C. Ingersoll, CWFE:Mar 71:229

Professional Engineering
Civil Engineering Today: A Profession in Crisis-Part I, David Carsen, CE:Jan 70:48
TR:136:42
Civil Engineering Today: A Profession in Crisis-Part II, David Carsen, CE:Feb 70:51
Dsc: J. C. Olsen, CE:June 70:44; John M. Youngerman, CE:June 70:44; Richard McFalls, CE:June 70:44; Brice R. Smith, Jr., CE:June 70:45; William S. Foster, CE:June 70:45; Augustine J. Fredrich, CE:June 70:46; Neal H. Bettigole, CE:June 70:46; Stanley W. Woods, CE:June 70:46; Max L. Calhoon, CE:June 70:45
TR:136:42
Effect of Changes in Civil Engineering Profession, John J. Cusack, PP1:Sept 70:107:7563
TR:136:1142
Engineering Registration-License for What?, John W. Frazier, PP1:Sept 70:103:7562
Metropolitan Planning and Implementation, Robert C. Einsweiler, UP2:Oct 70:113:7581
TR:136:828
Professionalism and Unionization-Starting a Program, Jack W. Pierce, PP1:Sept 70:25:7550
TR:136:962
Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71

Professional Personnel
The Alternative to Unionism, William H. Wisely, CE:Feb 71:43
Dsc: Christopher P. Kittides, CE:May 71:59; Stanley I. Hart, CE:May 71:78; Edward A. Bryant, CE:May 71:78
Engineering-Architecture Interprofessional Practice, William H. Wisely, CE:Apr 71:37
Dsc: Shu-Tien Li, CE:Sept 71:72; William J. Heiser, CE:Sept 71:87; A. T. Waidelich, CE:Sept 71:93
Guidelines for Employer-Engineer Relationships, CE:July 71:57
Professional Input to Engineering Education, William H. Wisely, CE:Aug 71:27

Professional Practice
Civil Engineer in Federal Government, Nicholas J. Oganovic, PP1:Sept 70:9:7546
TR:136:879
Civil Engineering Education: A Preparation for Management, John A. Havers, PP1:Sept 70:1:7544
TR:136:844
Commercialism in Tax-Favored Institutions, Samuel H. Clark and Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002
Competitive Bidding on Foreign Work, E. Montford Fucik, PP1:Oct 71:121:8456
Constructive Criticism of Public Works, G. H. Andrews, Preprint No.1435, July 71
Economic Status - The Engineer's Dilemma, Alfred R. Golze, Preprint No.1493, July 71
Effect of Changes in Civil Engineering Profession, John J. Cusack, PP1:Sept 70:107:7563
TR:136:1142
Engineering Education and a Professional Ethic, Charles R. Schrader, PP1:Oct 71:147:8460
Engineering for People, Richard Harbert, Preprint No.1456, July 71
Engineering Registration-License for What?, John W. Frazier, PP1:Sept 70:103:7562
Management and Engineering -- A Conflict, Norman B. Chew, Preprint No.1472, July 71

XUM

Metropolitan Planning and Implementation, Robert C. Einsweiler, UP2:Oct 70:113:7581
TR:136:828
Moonlighting and Professional Responsibility, George L. Reed, PP1:Sept 70:19:7548
A New Philosophy on Preservation of Survey Evidence, R. B. Buckner, SU2:Sept 70:213:7540
TR:136:925
Planning and Engineering by Agency-Consultant Team, Louis W. Riggs, UP2:Oct 70:105:7585
TR:136:908
Professionalism and Unionization-Starting a Program, Jack W. Pierce, PP1:Sept 70:25:7550
TR:136:962
Professional Practice for the Young Engineer, Charles S. Hedges, PP1:Sept 70:89:7558
TR:136:1201
Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721
Retirement Plan Study, Arnold Olitt, PP1:Sept 70:39:7552
TR:136:921
Role of Engineering Students in the Community, Terry M. Dolan, Preprint No.1455, July 71
To Practice or Perish, Dan H. Pletta and George A. Gray, PP1:Oct 71:131:8474
To Unite or Not to Unite, Simon Perliter, Preprint No.1440, July 71

Profits
Commercialism in Tax-Favored Institutions, Samuel H. Clark and Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002
Retirement Plan Study, Arnold Olitt, PP1:Sept 70:39:7552
TR:136:921
Transportation Innovation: Making It Profitable, C. Wade Tambor, UTI:pp.421-434, 1971

Programming Languages
Computational Procedures For Flow Resistance Laws, Alan A. Smith, HY3:Mar 70:665:7142
TR:136:673
Experience with POL Environment, Edward L. Murphree and John W. Melin, ST1:Jan 71:301:7835

Project Control
Planning Monitoring Frequencies for CPM Projects, Douglas A. Elvers, CO2:Nov 71:211:8503

Project Feasibility
Water Resources Planning in Appalachia, Stephen S. Fuller, UP2:Oct 70:123:7599

Projectiles
Low Velocity Projectile Penetration, Wen L. Wang, SM12:Dec 71:1635:8592

Project Planning
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, Preprint No.1344, Jan 71
Can Development and Ecology be Reconciled?, John E. Skinner, CE:Apr 71:67
Dsc: Edward A. Abdun-Nur, CE:Sept 71:67
Coordinated Land and Water Planning Proposed to Avoid Killing of Projects, Charles F. Luce, CE:May 71:75
Dsc: Amos Roos, CE:Oct 71:80

Projects
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505

Protamines
Integrated Approach to Problem of Viruses in Water, Gerald Berg, SA6:Dec 71:867:8590

Protection
Off-shore Mooring Systems at Protected or Semi-protected Locations, Albert Steenmeyer, BMS: pp.224-240, 1971

Protective Coatings
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Sulfuric Acid Attack on Concrete Sewer Pipe, Alvin H. Meyer and William B. Ledbetter, SA5:Oct 70:1167:7624
TR:136:1117

Protozoa
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Psychological Aspects
Behavior Setting, Synormorphy, and Environmental Design, Paul V. Gump and Julius Marek, ABS: pp.61-73, 1971

Public Benefits
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Public Health
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TR:136:1064
Indoor Territoriality: An Anthropological Perspective, Donald A. Kennedy, ABS:pp.37-41, 1971
Public Health Factors in Reactor Site Selection, J. G. Terrill, C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3
Rationale of Standards for Use of Reclaimed Water, Herbert B. Foster, Jr. and William F. Jopling, SA3: June 69:503:6609
TR:136:767
Students Tackle Pollution Problems, Darrell J. Turner, CE:Sept 70:51
Dsc: M. S. Misra, CE:Jan 71:64
TR:136:694
Territorial Behavior and Preservation in Relation to Environmental Quality, Eugene P. Odum, ABS: pp.53-60, 1971
Water and Health-Are We Concerned Enough?, Walter A. Lyon, SA5:Oct 70:1147:7595
Will Air Pollution Regulations Change Commuting Patterns?, William D. Ruckelshaus, CE:Sept 71:86

Public Law
Instruction in Urban Planning for Civil Engineers, Peter S. Parsonson, UP1:Mar 70:23:7127
TR:136:1303
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721

Public Opinion
The City is the People--So is the Planning/Building Process, Morton Hoppenfeld, ABS:pp.91-100, 1971
The Civil Engineer: Quiet Man or Spokesman?, Hadley Johnson, Jr., PP1:Oct 71:51:8467
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71:601:8613
Residential Environment and Adjustment: The Special Case of the Elderly, Kermit K. Schooler, ABS:pp.43-52, 1971

Territorial Behavior and Preservation in Relation to Environmental Quality, Eugene P. Odum, ABS: pp.53-60, 1971
Water Management and the Public, Duane W. Hill and Roy L. Meek, UWRM:pp.43-46, 1971

Public Relations
Action in Public Affairs - A Way of Life, James W. McPhillips, Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71
Community Decision Structure and Urban Planning Process, Thomas J. Hillegass, Charles C. Schimpeler and William L. Grecco, UP1:Mar 70:17:7126
Community Service and Urban Problems: Can Civil Engineers Make a Contribution?, Maynard Charles Nugent, CE:Jan 70:53
TR:136:54
Engineering and Society: A Contemporary Challenge, George R. Beetle, CE:Feb 71:51
Dsc: Robert F. Borg, CE:July 71:40
Let's Make the Needs Known so Someone Will Do Something About Them, Lawrence D. Dahms, NA: Mar 71:1
Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71
Professional Recognition - How?, Robert B. Thorn, Preprint No.1558, Oct 71
Professional Recognition - How?, Thomas deS. Furman, Preprint No.1559, Oct 71
Public Participation in Urban Water Planning, Thomas C. Ferrara, Karl M. Romstad and William K. Johnson, UP2:Dec 71:179:8585
Some Challenge Posed by Traditional Institutions and Practices, Gene E. Willeke, UWRM:pp.61-71, 1971
Water Management and the Public, Duane W. Hill and Roy L. Meek, UWRM:pp.43-46, 1971

Public Works
Constructive Criticism of Public Works, G. H. Andrews, Preprint No.1435, July 71
Financing Municipal Solid Waste Management Systems, Robert M. Clark and Richard O. Toftner, SA4:Aug 70:885:7449
TR:136:973
Policy Development--An Emerging Role for Civil Engineers, Robert F. Baker, PP1:Oct 71:35:8478

Puerto Rico
Landslides in Weathered Volcanics in Puerto Rico, George F. Sowers, 4PCSM:pp.105-115, 1971
The Practice of Foundation Engineering in the Commonwealth of Puerto Rico, Efrahim Murati, 4PCSM:pp.391-402, 1971
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Pull-Out Tests
Influence of the Stud on Composite Beam Behavior, Neil M. Hawkins, Preprint No.1543, Oct 71
Pullout Resistance of Anchors Buried in Sand, Kent A. Healy, TN: SM11:Nov 71:1615:8511

Pulp Mills
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247:8163

Pulsation
Water Waves Generated by Landslides in Reservoirs, Robert L. Wiegel, Edward K. Noda, Edward M. Kuba, Dennis M. Dee and Gordon F. Tornberg, WW2:May 70:307:7279

Pumped Storage
Advantages Of Inclined-Axis Hydroelectric Units, V. Shannon and Charles H. Fogg, PO2:Mar 71:395:7948
Bear Swamp Pumped Storage Project, Denton E. Nichols, Preprint No.1324 71
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Condenser Cooling and Pumped Storage Reservoirs, Eli Sefchovich, Preprint No.1292, Jan 71
Condenser Cooling and Pumped-Storage Reservoirs, Eli Sefchovich, PO3:July 71:611:8247
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
Edward Hyatt (Orville) Underground Power Plant, Alfred R. Golze, PO2:Mar 71:419:7950
Integration Of Pumped-Storage With Tidal Power, Thomas L. Shaw and Geoffrey R. Thorpe, PO1:Jan 71:159:7810
Northfield Mountain Pumped Storage Project, Ralph W. Gunwaldsen and Antonio Ferreira, CE:May 71:53
Dsc: C. F. Whitehead, CE:Sept 71:93
Penstocks For Six Pumped Storage Projects, J. Edgar Revelle and Robert W. Mikitka, PO2:Mar 71:435:7947
Pumped Storage: State-of-the-Art, Richard S. Woodruff, Chmn., PO3:July 71:675:8262
Pump Storage at DeGray Dam, Robert G. Burnett and William M. Rankin, Preprint No.1414, Apr 71
Pump Storage at Harry S. Truman Dam, Robert G. Burnett and John O. Christensen, Preprint No.1415, Apr 71
Sizing of Pumped Storage Conduits, Raymond K. Sullivan, Jr., PO3:July 71:667:8252
Trash Rack Problems and Remedies at Muddy Run Pumped-Storage Generating Plant, Richard L. Fiske and Cyril E. Daly, Preprint No.1305, Jan 71
Trash Rack Studies - Seneca Pumped-Storage Plant, David S. Louie and Arthur E. Allen, Preprint No.1284, Jan 71

Pumping
Design Conduit System by Dynamic Programming, Tung Liang, HY3:Mar 71:7988
Design of Underground Pumping Chamber at Lake Mead, Robert R. Rising and Gayle A. Erickson, Preprint No.1338, Jan 71
Graving Dock for 300,000-ton Ships, Charles F. Millard and Jay J. Hassani, CE:June 71:71
Dsc: Michael N. Salgo, CE:Dec 71:67
Power Losses and Flow Topologies in Manifold, Jaime Amorocho and Johannes J. DeVries, HY1:Jan 71:81:7791
Tools for Water-Resource Study, Julius H. Dawes, IR4:Dec 70:403:7720
TR:136:1265

Pumping Stations
Design of Underground Pumping Chamber at Lake Mead, Robert R. Rising and Gayle A. Erickson, Preprint No.1338, Jan 71

Pumps
Raw Water Transmission System for Springfield, Mass., Walter B. Sinnott and Sheldon S.W. Yuan, TE3:Aug 71:459:8312
Tools for Water-Resource Study, Julius H. Dawes, IR4:Dec 70:403:7720
TR:136:1265
Vibration Analysis of Pump Discharge Lines, Jesse M. Diaz and Ravinder K. Jain, HY11:Nov 70:2279:7678
TR:136:1286

Pump Turbines
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129

Purification
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, SA5:Oct 71:617:8425
Evaluation of Anaerobic Denitrification Processes, Daniel F. Seidel and Ronald W. Crites, SA2:Apr 70:267:7211
TR:136:1247
Inactivation of Virus in Sewage, Vincent P. Olivieri, Thomas K. Donovan and Kazuyoshi Kawata, SA5:Oct 71:661:8419

XUM

Sewage Treatment System Odors and Air Pollutants, Ralph Stone, SA4:Aug 70:905:7456
TR:136:1004

Quadratic Equations
Analysis of Structures by Quadratic Programming, Mehdi S. Zarghamee, EM5:Oct 71:1495:8431
Graphical Method for Finding All Roots of Quadratic and Cubic Equations, J. Y. Benzies, CE: Jan 71:53
Dsc: Max Kurtz, CE:Apr 71:65; Park K. Chen, CE:Sept 71:72

Quality Control
Caisson Construction Problems and Correction in Chicago, Clyde N. Baker, Jr. and Fazlur Khan, SM2:Feb 71:417:7934
Calvert Cliffs - Focus on Structures, Donald T. Ward and Clifford M. Robinson, Jr., Preprint No.1408, Apr 71
Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576
Post-Tensioned Concrete Nuclear Structures, Glen A. Chauvin, Robert J. Small and Adolf Walser, PO3: June 70:400:7355
Statistical Theory in Materials Sampling, Norman J. Cohen, CO1:Mar 71:95:8005

Quarries
Underground Chamber Crushes Rock for Dworshak Dam, Charles O. Faris, CE:June 71:75

Quarrying
Underground Chamber Crushes Rock for Dworshak Dam, Charles O. Faris, CE:June 71:75

Quays
Breakwater and Quay Wall by Horizontal Plates, Takeshi Ijima, Shigeo Ozaki, Yasuhiko Eguchi and Akira Kobayashi, 12CEC:pp.1537-1556, 1971

Questionnaires
Causes of Delay in the Construction Industry, John R. Baldwin, James M. Manthei, Harold Rothbart and Robert B. Harris, CO2:Nov.71:177:8501

Queueing Theory
Queueing at Single-Berth Shipping Terminal, Alan J. Miller, WW1:Feb 71:43:7895

Quick Clays
Causes of Clay Sensitivity, James K. Mitchell and William N. Houston, SM3:May 69:845:6568
TR:136:130
Property Interrelationships in Sensitive Clays, William N. Houston and James K. Mitchell, SM4: July 69:1037:6666
TR:136:166

Radial Flow
Hydraulic Jump Within Gradually Expanding Channel, Anat Arbhabhirama and Alejandro U. Abella, HY1:Jan 71:31:7831
Radial Flow Between Porous and Solid Discs, Chyan S. Chiou and Harold L. Weissberg, TN: EM6:Dec 71:1759:8559

Radial Stress
Remote Measurement of Radial Deformations, John H. Dudley, TN: SM6:June 71:965:8162

Radiation Detectors
A Class of Probability Models for Littoral Drift, William R. James, 12CEC:pp.831-837, 1971
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Estimation of Pavement Surface Freezing Indices, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:587:6871
TR:136:150

Radioactive Isotopes
Measuring Subsurface Spring Flow With Radiotracers, William C. Galegar and Myron W. DeGeer, SA6:Dec 69:1097:6973
TR:136:332
Radioisotopes and Turbine Flow Measurements, J. C. Schuster and R. L. Hansen, Preprint No.1294, Jan 71

Radioactive Wastes
Clay Slurry Sorption of Carrier-Free Radiocations, William A. Goldsmith and W. Emmett Bolch, SA5: Oct 70:1115:7611
TR:136:1068
Status of Radioactive Waste Disposal in U.S.A., Frank L. Parker, SA3:June 69:439:6597
TR:136:796

Radioactivity
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Single Particle Radioactive Sediment Tracers, Neil S. Grigg, Preprint No.1301, Jan 71
Status of Radioactive Waste Disposal in U.S.A., Frank L. Parker, SA3:June 69:439:6597
TR:136:796
Transport of Dissolved Wastes in Rivers, Roger Don Shull and Earnest F. Gloyna, SA6:Dec 69:995:6948
TR:136:249

Radios
Automation For Small Irrigation Projects, Theodore E. Mann, IR3:Sept 71:501:8344

Railroad Cars
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, E. Harry Law and Ronald S. Brand, Preprint No.1427, July 71
PWM Inverter Induction Motor Transit Car Drives, Norman Vutz, Preprint No.1473, July 71
Train Dynamics by Complex Mode Synthesis, T. K. Hasselman and A. Kaplan, Preprint No.1487, July 71

Railroads
BART Demonstration Program, David G. Hammond, TE4:Nov 71:627:8508
Illinois Central Suburban Automated Revenue Collection System, Leonard A. West, TE1:Feb 71: 117:7872
Impact from Railway Loading on Steel Girder Spans, William G Byers, ST6:June 70:1093:7341
TR:136:932
Long-Span Steel Deck Railroad Bridge, R. Wolchuk and J. C. Bridgefarmer, CE:Apr 70:71
TR:136:286
New Triangle in Commuter Service, Harold Wanaselja, TE3:Aug 71:501:8338
Overloads on Japan's 130 mph Railroad Structures, Tatsuo Nishiki and Shunta Shiraishi, ST6:June 70: 1017:7325
TR:136:945
Research Programs on Pipeline Crossings, William F. Quinn, TE3:Aug 70:283:7457
TR:136:988
Terminal Access and the Choice of Intercity Modes, Edward A. Beimborn, TE3:Aug 69:463:6731
TR:136:117
TMIS -- A Terminal Management Control System, Thomas A. Schweick, Preprint No.1430, July 71
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343
What Have Transit Demonstrations Really Shown?, Calvin O. Smith, TE2:May 71:325:8097

Railroad Signals
Applying Analytical Techniques to the Design of Railway Signal Systems, David R. Fialkoff and David M. Weiss, Preprint No.1483, July 71

Railroad Stations
Morphology of Urban Transportation, J. Edward Anderson, Preprint No.1468, July 71

Railroad Switches
Converting a Railroad to a First Class Suburban Rail Transit System - Under Traffic, Donald O. Eisele, 1971

Railroad Terminals
TMIS -- A Terminal Management Control System, Thomas A. Schweick, Preprint No.1430, July 71

Railroad Tracks
BART Demonstration Program, David G. Hammond, TE4:Nov 71:627:8508
Train Dynamics by Complex Mode Synthesis, T. K. Hasselman and A. Kaplan, Preprint No.1487, July 71

Railroad Trains
Advanced Passenger Train, A. H. Wickens, Preprint No.1461, July 71
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, E. Harry Law and Ronald S. Brand, Preprint No.1427, July 71
Train Dynamics by Complex Mode Synthesis, T. K. Hasselman and A. Kaplan, Preprint No.1487, July 71

Railroad Tunnels
Flathead Railroad Tunnel Construction, Hans Sacrison, CO1:Mar 71:127:8009

Rails
Adhesion Control in High-speed Wheel-rail Interaction, Igor L. Paul, Preprint No.1522, July 71

Rail Transportation
ACI --A Tool for Simulation and Process Control, Richard C. Schoppert, Preprint No.1433, July 71
Adhesion Control in High-speed Wheel-rail Interaction, Igor L. Paul, Preprint No.1522, July 71
Extension of the New Tokaido Line, Makoto Kato, Preprint No.1519, July 71
Freight Transportation Vibration Environment, Robert W. Luebke, Preprint No.1500, July 71
Illinois Central Suburban Automated Revenue Collection System, Leonard A. West, TE1:Feb 71: 117:7872
Noise Environments in Public Transportation, Don E. Bray, Preprint No.1469, July 71
Rapid Rail Research Requirements, Thomas J. McGean, Preprint No.1464, July 71
Restructuring Freight Transportation in Chicago, James Robert Blaze, Preprint No.1441, July 71
Simulation for Planning Railroad Operations, Edward J. Sierleja, Preprint No.1437, July 71
TMIS -- A Terminal Management Control System, Thomas A. Schweick, Preprint No.1430, July 71

Rainfall
Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551: 6984
TR:136:348
Frequency Analysis of Rainfall Intensities for Calcutta, V. Raman and M. Bandyopadhya, SA6: Dec 69:1013:6950
TR:136:805
Hourly Rainfall Synthesis for a Network, Delbert D. Franz, HY9:Sept 71:1349:8375
Inadvertent Weather Modification in the Northwest, P. V. Hobbs, L. F. Radke, S. E. Shumway and J. D. Locatelli, Preprint No.1341, Jan 71
Initial Loss for Flood Estimation and Forecasting, Ian Cordery, HY12:Dec 70:2447:7737
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9: Sept 71:1367:8373
New Water for Northern Plains, Richard A. Schleusener, IR1:Mar 70:53:7145
TR:136:559
Predicting Irrigation Requirements of Crops, Wilfredo P. David and Edward A. Hiler, IR3:Sept 70:241: 7507
TR:136:1037
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, Preprint No.1298, Jan 71
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, IR3:Sept 71:469:8351
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71
Some Economic Aspects of Rain Stimulation, R. R. Rapp, Preprint No.1342, Jan 71
The Structure of Thunderstorm Rainfall, John B. Stall and Floyd A. Huff, Preprint No.1330, Jan 71
Variation in Lag Time for Natural Catchments, Arthur J. Askew, HY2:Feb 70:317:7051
TR:136:473

Rainfall Intensity
Frequency Analysis of Rainfall Intensities for Calcutta, V. Raman and M. Bandyopadhya, SA6: Dec 69:1013:6950
TR:136:805
Hourly Rainfall Synthesis for a Network, Delbert D. Franz, HY9:Sept 71:1349:8375
Hydrologic Consequences of Rainfall Augmentation, Alan M. Lumb and Ray K. Linsley, HY7:July 71: 1065:8232
The Structure of Thunderstorm Rainfall, John B. Stall and Floyd A. Huff, Preprint No.1330, Jan 71

Rainfall Simulators
Hourly Rainfall Synthesis for a Network, Delbert D. Franz, HY9:Sept 71:1349:8375

Rain Gages
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71

Random Vibration
Ambient Vibration of Two Suspension Bridges, V. R. Mc Lamore, Gary C. Hart and Ian R. Stubbs, ST10:Oct 71:2567:8454
Equivalent Linearization for Random Vibration, Loren D. Lutes, EM3:June 70:227:7333
TR:136:598
Free Vibration of Stochastic Beam-Column, Masaru Hoshiya and Haresh C. Shah, EM4:Aug 71:1239: 8331
Maximum Structural Response to Seismic Excitations, Masanobu Shinozuka, EM5:Oct 70: 729:7620
Properties of Spectral Moments with Application to Random Vibration, Erik H. Vanmarcke, Preprint No.1375, Apr 71
Random Vibration in Seismic Analysis - an Evaluation, Mohammad Amin and I. Gungor, Preprint No.1409, Apr 71

Random Walk
Random Walk Model for First-Passage Probability, Richard H. Toland and Cheng Y. Yang, EM3:June 71:791:8200

Rapid Transit Railways
Assessing the Prospects of Current Transit Proposals, Martin Wohl, UTI:pp.43-58, 1971
BART Demonstration Program, David G. Hammond, TE4:Nov 71:627:8508
Chemical Grouting for Paris Rapid Transit Tunnels, Jean J. Janin and Guy F. Le Sciellour, CO1:June 70:61:7382
TR:136:530

XUM

A Civil Engineer's Guide to EXPO 70, Shunta Shiraishi and Yuzo Matsui, CE:Mar 70:43
TR:136:243
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Cost-cutting Techniques for Rapid Transit Structures, Lev Zetlin and Richard L. Tomasetti, 1971
Curbside Service Subways, Charles J. Swet, Preprint No.1518, July 71
Evolution of Transit Thinking: The Twin Cities, Neil C. Sher, Preprint No.1501, July 71
Extension of the New Tokaido Line, Makoto Kato, Preprint No.1519, July 71
Financing Metro, William I. Herman, TE4:Nov 70:571:7680
TR:136:1291
Hannover Regional Complex Including Airport, Heinz P. Piper, TE2:May 69:245:6534
TR:136:1233
Impact of Rail Transit on Bus Operations, Richard H. Pratt, TE1:Feb 71:31:7881
Let's Make the Needs Known so Someone Will Do Something About Them, Lawrence D. Dahms, NA: Mar 71:1
Lindenwold Line: A Model for Rail Rapid Transit, Eugene E. Dallaire, CE:Sept 70:90
Dsc: E. P. Foley, CE:Jan 71:64
TR:136:820
Low-speed Operation of the Linear Induction Motor Test Vehicle, K. M. Chirgwin, Preprint No.1504, July 71
Man-Computer Graphic Transit System Planning, Mattias H. Rapp, Preprint No.1506, July 71
Morphology of Urban Transportation, J. Edward Anderson, Preprint No.1468, July 71
New Triangle in Commuter Service, Harold Wanaselja, TE3:Aug 71:501:8338
Origin, Purpose, and Status of Project, Robert A. Nelson, TE4:Nov 70:439:7655
TR:136:1244
Philadelphia-Lindenwold High-Speed Line Surveys, Carl E. Hultin, SU1:May 71:7:8096
Planning for the Metro, Thomas B. Deen, TE3:Aug 70:349:7476
TR:136:1136
Public Issues and ASCE, CE:June 70:59
TR:136:462
PWM Inverter Induction Motor Transit Car Drives, Norman Vutz, Preprint No.1473, July 71
Rapid Rail Research Requirements, Thomas J. McGean, Preprint No.1464, July 71
Setting the Stage for a Tour of the Lindenwold Hi-speed Line, J. William Vigrass, NA:Mar 71:193
Small Budget Rapid Transit, Louis T. Klauder, NA: Mar 71:69
Soft-Ground Tunneling Technology on the BART Project, Edward W. Peterson and Peter Frobenius, CE:Oct 71:72
Some Aerospace Systems Criteria for Ground Transportation, C. Uddenberg, Preprint No.1514, July 71
The Success of the Auto Should be a Lesson to Us, Jarold A. Kieffer, Preprint No.1505, July 71
Surveys for South Shore Rapid Transit Construction, Alfred J. Pacelli, SU1:May 71:133:8148
Systems Innovations for Urban Transportation, Robert A. Burco and Clark D. Handerson, TE2: May 71:205:8126
Transit Marketing in Chicago, George Krambles, TE2:May 71:361:8134
Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128
TR:136:853
Urban Mass Transportation: Review and Analysis, Stewart F. Taylor and Louis W. Petulla, TE2:May 70:175:7277
What Have Transit Demonstrations Really Shown?, Calvin O. Smith, TE2:May 71:325:8097

Rayleigh-Ritz Method
Finite Element Method: A Galerkin Approach, Stanley G. Hutton and Donald L. Anderson, EM5: Oct 71:1503:8448

Reaches (Distance)
Reach of Waves to the Bed of the Constitutional Shelf, Richard Silvester and Geoffrey R. Mogridge, 12CEC:pp.651-667, 1971

Reaction Time
Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239

Reactors
Construction Of Multibarrier Containment Vessels, D. M. Leppke, C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002

Real Time Operations
Development of a Real-time Freeway Information System, Conrad L. Dudek and Carroll J. Messer, Preprint No.1471, July 71

Recharge
Artificial Recharge in Water Resources Management, Marvin J. Dvoracek, IR2:June 71:219:8185
Future of Ground Water in African Sahara Desert, Hammad Y. Hammad, IR4:Dec 69:563:6986
TR:136:392

Recharge Wells
Ground Water Recharge Design for Renovating Waste Water, Herman Bouwer, SA1:Feb 70:59:7096
TR:136:468

Reclamation
Filtration of Chlorella Through Dune-Sand, Yair Folkman and Alberto M. Wachs, SA3:June 70:675:7332
Opportunities for Water Salvage, Lloyd E. Myers, CE:Jan 70:41
TR:136:19
USBR Specifications Focus on Environment, Bernard P. Bellport, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70

Recreation
Pump Storage at Harry S. Truman Dam, Robert G. Burnett and John O. Christensen, Preprint No.1415, Apr 71
Total Dollar Benefit of Water Pollution Control, Nelson L. Nemerow and Robert C. Faro, SA3:June 70:665:7323
TR:136:1220

Recreational Facilities
Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, George J. Mim Mack and Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76
Current Perspectives in Disinfection, Bernard B. Berger, NSCD:pp.1-10, 1971
Ecological Values and Regional Planning, Ian McHarg, CE:Aug 70:40
Dsc: Hugo Vervuurt, CE:Dec 70:54; Frank B. Burggraf, Jr., CE:Dec 70:54; John Volkert, CE: Dec 70:54; R. P. Spiro, CE:Dec 70:54; Ralph W. Kiefer, CE:Dec 70:58
TR:136:605
Montana Highway and Wildlife Professions Cooperate, John C. Peters, CE:Nov 70:58
Dsc: John C. Peters, CE:Apr 71:71
TR:136:1123
Open Space Accessibility for Recreation, Lawrence D. Mann, UP2:Dec 71:207:8607
Planning for Pleasure Boating on Regional Basis, Ellsworth J. Gullidge and Frank J. Urabeck, WW3: Aug 70:583:7453
TR:136:1041
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Residential-Recreation Development, Alan T. Hill, CE:Dec 71:60

Refineries
Treatment of Refinery Waste by Physicochemical Processes, Ju-Chang Huang and Michael G. Hardie, SA4:Aug 71:467:8318

Refraction
Coastal Erosion in North Carolina, Leonard J. Langfelder, Donald B. Stafford and Michael Amein, WW2:May 70:531:7306
Lateral Refraction in Proximity of Structures, Ron K.H. Adler and Haim B. Papo, SU1:Oct 69:93:6846
TR:136:643
Refraction of Continuous Ocean Wave Spectra, Thorbjorn Karlsson, WW4:Nov 69:437:6881
TR:136:206
Refraction of Water Waves, Jurgen A. Battjes, WW4:Nov 68:437:6206
TR:136:637
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Tsunami Refraction Diagrams by Digital Computer, Garbis H. Keulegan and John Harrison, WW2:May 70:219:7261
TR:136:602

Refuse
Basic Data Network for Solid Waste Management, Robert M. Clark and John M. Sweeten, Preprint No.1548, Oct 71
Decentralized Solid Waste Collection Facilities, Robert M. Clark and Billy P. Helms, SA5:Oct 70:1035:7594
Efficiency of Refuse Collection Crews, Jimmie E. Quon, Robert R. Martens and Masaru Tanaka, SA2:Apr 70:437:7232
TR:136:863
Leaching of Pollutants From Refuse Beds, Syed R. Qasim and Jerry C. Burchinal, SA1:Feb 70:49:7078
TR:136:453
Locational Models for Solid Waste Management, Billy P. Helms and Robert M. Clark, UP1:Apr 71:1:8061
Mechanical Properties of Milled Domestic Trash, Ulrich W. Stoll, Preprint No.1319, Jan 71
Sample Weights in Solid Waste Composition Studies, Albert J. Klee and Dennis Carruth, SA4:Aug 70:945:7469
St. Louis Power Plant to Burn City Refuse, F. E. Wisely, G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59

Refuse Disposal
Chicago's Northwest Incinerator, Milton Pikarsky, CE:Sept 71:55
Efficiency of Refuse Collection Crews, Jimmie E. Quon, Robert R. Martens and Masaru Tanaka, SA2:Apr 70:437:7232
TR:136:863
Financing Municipal Solid Waste Management Systems, Robert M. Clark and Richard O. Toftner, SA4:Aug 70:885:7449
TR:136:973
Incinerator-Residue-Fill Site Investigation, R. J. Schoenberger and A. A. Fungaroli, Preprint No.1322, Jan 71
Locational Models for Solid Waste Management, Billy P. Helms and Robert M. Clark, UP1:Apr 71:1:8061
Location Models: Solid Waste Collection Example, David H. Marks and Jon C. Liebman, UP1:Apr 71:15:8027
Management of Solid Waste-The Utility Concept, Robert M. Clark, Richard O. Toftner and Thomas W. Bendixen, SA1:Feb 71:33:7875
Mechanical Properties of Milled Domestic Trash, Ulrich W. Stoll, Preprint No.1319, Jan 71
Optimal Routing of Refuse Collection Vehicles, Richard M. Bodner, E. Alan Cassell and J. Peter Andros, SA4:Aug 70:893:7451
TR:139:1274
Processing and Recovery of Municipal Solid Waste, Robert F. Testin and Neil L. Drobny, SA3:June 70:699:7345
TR:136:1266
Residue Characterizations, Robert J. Schoenberger and Paul W. Purdom, SA3:June 69:387:6590
TR:136:735
Routing for Public Service Vehicles, David H. Marks and Robert Stricker, UP2:Dec 71:165:8573
Sample Weights in Solid Waste Composition Studies, Albert J. Klee and Dennis Carruth, SA4:Aug 70:945:7469
Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280

Regime
Indeterminate Hydraulics of Alluvial Channels, Thomas Maddock, Jr., HY11:Nov 70:2309:7696

Regional Planning
Analysis of BART Impacts on Bay Area Land Use, Douglass B. Lee, Jr., Preprint No.1431, July 71
Behavior Setting, Synormorphy, and Environmental Design, Paul V. Gump and Julius Marek, ABS: pp.61-73, 1971
Comprehensive Public Water Supply Planning, Anthony Pavone, SA5:Oct 71:745:8450
Cost of Residential Solid Waste Collection, Robert M. Clark, B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Design Concept for Assigning Urban Space, Richard W. Cockfield and Virginia K. Handa, UP2:Dec 71:191:8582
Ecological Values and Regional Planning, Ian McHarg, CE:Aug 70:40
Dsc: Hugo Vervuurt, CE:Dec 70:54; Frank B. Burggraf, Jr., CE:Dec 70:54; John Volkert, CE:Dec 70:54; R. P. Spiro, CE:Dec 70:54; Ralph W. Kiefer, CE:Dec 70:58
TR:136:605
Framework Plan for Ohio Basin Navigation to 2020, Theodore A. Kent, WW3:Aug 70:665:7473
Framework Studies in the Pacific Southwest, Robert H. Griffin and Wallace R. Christensen, Preprint No.1314, Jan 71
Freeway Planning: Advance Acquisition of Rights-Of-Way, CE:Nov 70:62
Dsc: Kenneth M. Turner, CE:Feb 71:55
TR:136:1149
General Financial Programs for Regional and Large Wastewater Systems, Edwin A. Wells and Jack H. McMinn, CWFE:Mar 71:147
Hannover Regional Complex Including Airport, Heinz P. Piper, TE2:May 69:245:6534
TR:136:1233
Household Weekly Travel Patterns: A Potential Measure of Expressway Impact, A. M. Lacey, Preprint No.1443, July 71
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Information Utilization in Project Planning, Donald E. Kawal, CO2:Nov 71:227:8505
Instruction in Urban Planning for Civil Engineers, Peter S. Parsonson, UP1:Mar 70:23:7127
TR:136:1303
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TR:136:869
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A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Regional/Local Conflicts in Transportation Planning, Harvey R. Joyner, Preprint No.1485, July 71
Regional Planning Sewerage Systems, John D. Parkhurst, CWFE:Mar 71:337
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XUM

Regional Waste Water Treatment Systems, Rolf A. Deininger and Shaw Y. Su, Preprint No.1536, Oct 71
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Social Consequences and Water Resources Planning and Development, Asit K. Biswas and Robert W. Durie, Preprint No.1343, Jan 71
South Florida Training Runway and Everglades National Park, H. C. Lamberton, Jr., CE:Apr 70:53 TR:136:350
State of the Art-Urban Transportation Systems, Donald O. Eisele, TE3:Aug 69:439:6729 TR:136:50
The Super Airport, Lloyd S. Laity, Preprint No.1508, July 71
Supercarriers Versus U.S. Harbor Dimensions, Francis P. Koisch, WW1:Feb 71:19:7904
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Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128 TR:136:853
What Have Transit Demonstrations Really Shown?, Calvin O. Smith, TE2:May 71:325:8097

Registration
One Man's View of Registration Today, Oscar S. Bray, PP1:July 69:1:6653 TR:136:126
Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71
Professional Recognition - How?, Robert B. Thorn, Preprint No.1558, Oct 71
Professional Recognition - How?, Thomas deS. Furman, Preprint No.1559, Oct 71
Status Report of Survey and Mapping Division, William A. White, Preprint No.1318, Jan 71

Regression Analysis
Cost of Residential Solid Waste Collection, Robert M. Clark, B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Regression Model of Wave Forces on Ocean Outfalls, Ronald E. Johnson, WW2:May 70:289:7275

Regulations
Management and Regulations for the Future Basin Management Techniques, Charles V. Gibbs and Allan L. Poole, CWFE:Mar 71:65
Model Law to Improve Dam Safety, Alfred R. Golze, CE:Mar 71:53 Dsc: Asit V. Biswas, CE:June 71:40
Principles and Procedures in Flood Plain Management, James E. Goddard and John W. Weathers, HY4:July 69:1321:6696 TR:136:108
Should Registration Involve Politics?, Wesley E. Haynes, CE:May 71:83
State Flood-Plain Management Activities, Jack G. Johnson, HY10:Oct 70:2041:7589 TR:136:1166
Weather Modification Regulation, Richard A. Schleusener, IR3:Sept 70:281:7537 TR:136:1139

Reinforced Concrete
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Reinforcement
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
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Crack Width Control in Reinforced Concrete Two-Way Slabs, Edward G. Nawy and Glenn S. Orenstein, ST3:Mar 70:701:7182 TR:136:883
Ductile-Frame Tie Bars, John T. Merrifield and Albert P. Jensen, CE:Nov 71:52

Reinforcement Schedule
Economical Design of Reinforced Concrete Slabs and Walls, Balbir S. Sandhu, CE:July 71:68

Reinforcing Materials
Concrete Beams with Prestressed Reinforcement, Alfred Bishara and Filomeno N. Almeida, ST7:July 70:1445:7411 TR:136:1319

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Remote Sensing
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TR:136:601
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TR:136:246

Reservoirs
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TR:136:959

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Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
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TR:136:1126
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TR:136:405
The Lower Mekong Development Program, Leon W. Damours, CE:July 70:58
TR:136:541
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Dsc: C. F. Whitehead, CE:Sept 71:93
Optimal Policy for Reservoir Operation, Ricardo C. Harboe, Fereidoun Mobasheri and William Wen-Gong Yeh, HY11:Nov 70:2297:7673
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TR:136:963
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TR:136:1251
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TR:136:368
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TR:136:1141
Reservoir Operation With Imperfect Flow Forecasts, Samuel O. Russell and William F. Caselton, HY2: Feb 71:323:7931
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TR:136:408
Sedimentation of Reservoirs, I. C. dos M. Pais-Cuddou and Shri N. C. Rawel, IR3:Sept 69:415: 6789
TR:136:183
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TR:136:101
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TR:136:409
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TR:136:429
Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227
Stratification of Flow from Channel into Deep Lake, Heinz Stefan, HY7:July 70:1417:7401
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TR:136:667
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TR:136:913
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TR:136:1265
Use of Runoff Forecasting in Reservoir Operations, Thomas T. Wilson, Jr. and Edib Kirdar, IR3:Sept 70:299:7541

Reservoir Storage

Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227

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TR:136:475

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Resonators
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TR:136:907

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TR:136:556
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TR:136:198
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Retention Dams
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Retirement
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TR:136:921

Return Flow
Density Induced Return-Currents in Outlet Channels, Ben P. Rigter, HY2:Feb 70:529:7086
TR:136:583

Reverse Osmosis
Primary Treatment Followed by Reverse Osmosis, Donald L. Feuerstein and Tom H. Forrest, CWFE: Mar 71:179

Revetments
Hydrographic Survey Techniques on Mississippi, Otis T. Welch, SU1:May 71:109:8123

Reviews
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Rhode Island
Main Cables of Newport Suspension Bridge, Blair Birdsall, ST12:Dec 71:2825:8606

Right-Of-Way
Joint Utilization of Rights-of-Way, F. J. Stastny, Preprint No.1534, Oct 71
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Right of Way Acquisition
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Right-of-Way Surveys, Joe A. Hicks, Jr., SU2:Sept 68:227:6121
TR:136:576
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Rigid Frames
Bounding of Frame Buckling Loads, Alfred Korn, ST8:Aug 70:1639:7452
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TR:136:416
Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391
TR:136:965
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TR:136:261

XUM

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TR:136:558
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TR:136:375
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TR:136:766
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TR:136:307

Rigidity
Flexural Rigidity of Concrete Column Sections, Ian C. Medland and Donald A. Taylor, ST2:Feb 71: 573:7933
Pressure Buckling of Ring Encased in Cavity, James A. Cheney, EM2:Apr 71:333:8024

Rigid Pavements
Making Highways Skid-proof, John L. Beaton, CE: Mar 71:42
Warping Stresses In Slabs On Reissner Foundation, Annapareddy Siva Reddy and Mysore R. Pranesh, TE3:Aug 71:511:8332

Rings
Large Deflections of Viscoelastic Rings, Michael Schoenberg, EM1:Feb 69:223:6410
TR:136:684
Pressure Buckling of Ring Encased in Cavity, James A. Cheney, EM2:Apr 71:333:8024

Ripple Marks
Initiation of Ripples on Flat Sediment Beds, Philip B. Williams and Patrick H. Kemp, HY4:Apr 71:505: 8042
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TR:136:489

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Risk
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TR:136:161

River Basin Development
The Lower Mekong Development Program, Leon W. Damours, CE:July 70:58
TR:136:541
Social and Ecological Implications of Proposals for Out-of-Basin River Diversions, Bernard B. Berger, PP1:Oct 71:95:8481

River Basin Planning
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River Basins
Formation of Flood Plain Lands, Walter C. Carley, HY3:May 69:981:6574
TR:136:73
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River Beds
Bed Topography Effect on Flow in a Meander, Chin-lien Yen, HY1:Jan 70:57:7003
TR:136:535
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River Closures
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River Flow
Flood Regulation by Columbia Treaty Projects, Mark L. Nelson and David M. Rockwood, HY1:Jan 71: 143:7798
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Rivers
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TR:136:871
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TR:136:482
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XUM

Reconnaissance for Dam Sites in Remote Areas, Vernon E. Swanson, SU1:Apr 70:97:7244
TR:136:1119
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
River Channel Patterns, Shrikrishna V. Chitale, HY1: Jan 70:201:7038
TR:136:931
River Metamorphosis, Stanley A. Schumm, HY1:Jan 69:255:6352
TR:136:38
Sampling Procedures for Coarse Fluvial Sediments, Rolf Kellerhals and Dale I. Bray, HY8:Aug 71: 1165:8279
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual, Vito A. Vanoni, HY5:Sept 69:1477:6756
TR:136:823
Sedimentation Engineering, Chapter II: Sediment Transportation Mechanics: Q. Genetic Classification of Valley Sediment Deposits, Task Committee for Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY1:Jan 71:43: 7815
Sedimentation Transportation Mechanics: G. Fundamentals of Sediment Transportation, Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation, Vito A. Vanoni, Chmn., HY12:Dec 71:1979:8591
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TR:136:1188
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Sediment Transport Measurements in Gravel River, Albert B. Hollingshead, HY11:Nov 71:1817:8521
Statistical Assessment of DO in Navigation Pool, Thomas A. Butts, Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
TR:136:881
Survey of Programs for Water-Surface Profiles, Bill S. Eichert, HY2:Feb 70:547:7098
TR:136:1012
Systemic Variation Pattern of Annual River Flows, Frank W.F. Waitt and Ian C. O'Neill, HY3:May 69:787:6531
TR:136:47
Tailwater Encroachment, David N. Raffel, PO2:Oct 69:167:6798
TR:136:667
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144
TR:136:906
Valuation of Flow Augmentation Releases, Buford J. Carter, Jr., James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203
Water Resources Planning For Pascagoula Basin, Mason B. Oldham, Jr. and John W. Rushing, WW1:Feb 70:65:7060
TR:136:383

River Systems

Flood-Control Facilities for Unique Flood Problems, Ralph F. Wong and Alfonso Robles, Jr., WW1:Feb 71:185:7894

Rivets

Large Bolted and Riveted Shingle Splices, John W. Fisher and Noriaki Yoshida, ST9:Sept 70:1903:7534
TR:136:1049

Roadbeds

Stability of Clay Interbeds - Columbia River Valley, Roy A. Anderson and Robert L. Schuster, Preprint No.1478, July 71

Roads

Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551: 6984
TR:136:348
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Pavement Design and Staging for Mayan Roads, Allen F. Lubina and Robert N. Panfill, TE4:Nov 71:651:8516
Vehicle-roadway Interaction Studies by a Mathematical Model, Hayes E. Ross, Jr. and Don L. Ivey, Preprint No.1451, July 71
Volume of Snowmelt Intercepted by Logging Roads, Edward R. Burroughs, Jr., Michael A. Marsden and Harold F. Haupt, Preprint No.1326, Jan 71

Rock Bolts

Presplitting and Rockbolts Cut Costs at Stockton Dam, Charles R. Golder, CE:Jan 70:44
TR:136:13

Rock Crushers

Prestressed Rock Anchors and Shotcrete for Large Underground Powerhouse, Michel Buro, CE:May 70:60
TR:136:427

Rock Excavation

Blasting Mass-Concrete at Grand Coulee Dam, J. R. Granger, CE:Aug 71:28
Mat Foundation Spans Rubble Channels, L. Radley Squier, CE:Aug 70:61
TR:136:625

Rock Fills

An Interesting Case of Stability in a Rock Fill Slope, Carlos M. Nieble and Paulo T. Cruz, 4PSCM: pp.167-177, 1971
Review of Shearing Strength of Rockfill, Thomas M. Leps, SM4:July 70:1159:7394

Rock Mechanics

Changed Soil and Rock Conditions in Construction, George F. Sowers, CO2:Nov 71:257:8509
Coefficient of Friction of Natural Rock Surfaces, Bartlett W. Paulding, Jr., SM2:Mar 70:385:7121
TR:136:538
Design of Boundary Arch Dam, Jaroslav Pospisil and Michael D. Hayes, PO1:Jan 70:73:7012
TR:136:842
Design of Underground Pumping Chamber at Lake Mead, Robert R. Rising and Gayle A. Erickson, Preprint No.1338, Jan 71
Properties and Steel Tunnel Liners, George H. Kruse, PO3:June 70:4115:7357
Rock Mechanics Studies for Mossyrocky Arch Dam, David E. Kleiner and Richard C. Acker, PO1:Jan 71:11:7795
Rock Stabilization at Morrow Point Power Plant, Gilbert L. Brown, Ernest D. Morgan and Jerry S. Dodd, SM1:Jan 71:119:7820
Shotcrete Support in Rock Tunnels in Scandinavia, Owen S. Cecil, CE:Jan 70:72
Dsc: Asbjern Bakken, CE:Aug 70:68
TR:136:143
Spherical Waves in Inelastic Materials, Jeremy Isenberg and Anjan K. Bhaumik, EM3:June 71:901: 8207
State of Predictive Art in Subsidence Engineering, Barry Voight and William Pariseau, SM2:Mar 70: 721:7187
TR:136:890
Strength of a Model of Jointed Rock, Edwin T. Brown and D. Hugh Trollope, SM2:Mar 70:685: 7185
TR:136:882
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TR:136:1280

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Tunnel Support-Where Does Geology Come In?, John F. Abel, Jr., CE:Feb 70:70
TR:136:193
Water Waves Generated by Landslides in Reservoirs, Robert L. Wiegel, Edward K. Noda, Edward M. Kuba, Dennis M. Dee and Gordon F. Tornberg, WW2:May 70:307:7279

Rocks
Bearing Capacity of Concrete Block or Rocks, Wai F. Chen and D. C. Drucker, EM4:Aug 69:955:6742
TR:136:241
Stability of Rock Slopes-Graphical Methods, Pierre Londe, Gaston Vigier and Raymond Vormeringer, SM4:July 70:1411:7435
TR:136:1039

Rollers
Session I: Densification During Placement (Rollers), Donald T. Goldberg, PISST:pp.1-3, 1971

Rolling Friction
Adhesion Control in High-speed Wheel-rail Interaction, Igor L. Paul, Preprint No.1522, July 71

Roofs
Aluminum Space Frame for Parque Anhembi, Sao Paulo, Cedric Marsh and Peter K. Kneen, Preprint No.1391, Apr 71
Analysis of Inelastic Suspension Structures, Thomas M. Murray and Nicholas Willems, ST12:Dec 71:2791:8574
Analysis of Plane Prestressed Cable Structures, H. Mollmann, ST10:Oct 70:2059:7598
TR:136:1182
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Buckling of Open Cylindrical Shells Under Lateral Load, Kuang-Han Chu and Peter Turula, EM6:Dec 70:1143:7736
TR:136:1315
Cable-Suspended Roof Construction State-of-the-Art, Subcommittee on Cable-Suspended Roof Structures of the Task Committee on Special Structures of the Committee on Metals of the Structural Division, John B. Scalzi, Chmn., ST6:June 71:1715:8190
Cylindrical Shell Roofs with Draped Prestressing, A. H. Bryant and J. C. Scrivener, ST4:Apr 71:611:6496
TR:136:1083
Hangar Features Stressed-Skin Hypars, Charles H. Thornton and Richard L. Tomasetti, CE:Nov 70:54
TR:136:1044
Mechanical Properties of Structural Cables, John B. Scalzi and William K. McGrath, ST12:Dec 71:2837:8604
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556
TR:136:72
Ponding of Liquids on Flat Roofs, J. Chinn, A. H. Mansouri and Staley F. Adams, ST5:May 69:797:6539
TR:136:66
Sydney Opera House, O. N. Arup and Gerd J. Zunz, CE:Dec 71:50
Theoretical Analysis of Suspension Roofs, Saafan A. Saafan, ST2:Feb 70:393:7107
TR:136:588
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71

Rotation
Collapse Load Analysis Using Linear Programming, Donald E. Grierson and Graham M. L. Gladwell, ST5:May 71:1561:8127
Wall Effect on a Sphere in a Rotating Viscous Fluid, Philip K. Davis, HY10:Oct 70:2019:7625
TR:136:1052

Rotational Flow
Deformation of Rotational Tidal Currents in Shallow Coastal Water, Harald Gohren, 12CEC:pp.2147-2162, 1971

Roughness
Friction-Factors for Flat-Bed Flows in Sand Channels, Frederico Lovera and John F. Kennedy, HY4:July 69:1227:6678
TR:136:188

Roughness (Hydraulic)
Friction Factors for Flow in Sand Bed Channels, Abu M.Z. Alam and John F. Kennedy, HY6:Nov 69:1973:6900
TR:136:520

Roughness Coefficient
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110

Routing
Routing for Public Service Vehicles, David H. Marks and Robert Stricker, UP2:Dec 71:165:8573

Rubble
Armor Stability of Overtopped Breakwater, Patrick T. Lording and John R. Scott, WW2:May 71:341:8138
Port Construction At Burns Waterway Harbor, John H. McGavock, Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990

Rubble Mounds
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Runoff
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Computer Simulation Of Urban Storm Water Runoff, Carl W. Chen and Robert P. Shubinski, HY2:Feb 71:289:7924
Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, Preprint No.1299, Jan 71
Economic Measure of Effect of Extreme Data, Myron B. Fiering, SA4:Aug 69:683:6720
TR:13:49
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551:6984
TR:136:348
Evaluating Low-Flow Characteristics, S. P. Sauer and Henry C. Riggs, Preprint No.1329, Jan 71
Flood Peaks from Small Southwest Range Watershed, Kenneth G. Renard, John C. Drissel and Herbert B. Osborn, HY3:Mar 70:773:7161
TR:136:1047
Hydrologic Data for Storm Drainage Design, William J. Schneider, Preprint No.1328, Jan 71
Initial Loss for Flood Estimation and Forecasting, Ian Cordery, HY12:Dec 70:2447:7737
Investigation of Brahmaputra River, Abdul Latif, HY5:Sept 69:1687:6793
TR:136:235
Planning Standards for Storm Drainage, Myron D. Calkins, UP1:Mar 70:53:7133
TR:136:869
Potential of Precipitation Modification, Eugene J. Aubert, Gurbachan P. Malhotra and D. B. Spiegler, Preprint No.1303, Jan 71
A Proposed Watershed Retention Function, Willard M. Snyder, IR1:Mar 71:193:7979

Rational Model Describing Slope Erosion, Dale L. Rowlison and Glen L. Martin, IR1:Mar 71:39:7981
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028
TR:136:937
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, Preprint No.1298, Jan 71
Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, IR3:Sept 71:469:8351
Research on Sleepers River at Danville, Vermont, Martin L. Johnson, IR1:Mar 70:67:7184
TR:136:1198
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71
Runoff Forecasts by Linear Predictive Filter, Mikio Hino, HY3:Mar 70:681:7146
TR:136:655
Runoff Grouping for Detection of Change in Runoff, Hiroshi Nakamichi and Hubert J. Morel-Seytoux, IR2:June 71:275:8201
Runoff Routing Through Steep Natural Channels, Rolf Kellerhals, HY11:Nov 70:2201:7666
TR:136:1278
Stream Enrichment from Farm Operations, Neal E. Minshall, Stanley S. Witzel and M. Starr Nichols, SA2:Apr 70:513:7238
TR:136:912
Urban Storm Drainage Criteria Manual from Denver, Elmer L. Claycomb, CE:July 70:39
TR:136:511
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Variation in Lag Time for Natural Catchments, Arthur J. Askew, HY2:Feb 70:317:7051
TR:136:473
Volume of Snowmelt Intercepted by Logging Roads, Edward R. Burroughs, Jr., Michael A. Marsden and Harold F. Haupt, Preprint No.1326, Jan 71
Weather Modification as a Watershed Management Tool, Merlin C. Williams, IR1:Mar 69:15:6434
TR:136:758

Runoff Coefficient
Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503

Runoff Forecasting
Status of Weather Modification in Watershed Management, Merlin C. Williams, IR4:Dec 71:585:8608
Where Is Urban Hydrology Practice Today?, D. Earl Jones, Jr., HY2:Feb 71:257:7917

Runways
Breaking Load for Rigid Pavement, K. K. Ghosh and M. Dinakaran, TE1:Feb 70:87:7108
TR:136:400

Rupturing
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71

Safety
Benefits from TOPICS-type Improvements, H. Jack Leonard, CE:Feb 71:62
The Civil Engineer and Highway Safety, CE:Nov 70:63
TR:136:1155
Contributions of the Federal-Aid Highway Program, Francis C. Turner, CE:June 70:71
Dsc: Edward A. Merrill, CE:Nov 70:39
TR:136:486
Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Designing Fail-Safe Structures of Highway Safety, Flory J. Tamanini, TE2:May 71:305:8150
Design Requirements for Safer Highway Bridge Rails, Robert M. Olson, Edward R. Post and Don L. Ivey, TE2:May 71:291:8125
Development of Tunneling Methods and Controls, Ellis L. Armstrong, CO2:Oct 70:99:7577
Dynamic Programming of Highway Safety Projects, Marvin M. Johnson, TE4:Nov 71:667:8534
Energy Absorbing Roadside Crash Barriers, Flory J. Tamanini and John G. Viner, CE:Jan 70:63
TR:136:79
Engineers Study Highway Safety, A. C. Estep, CE:Mar 70:68
TR:136:312
High-mount Interchange Lights, Richard C. LeVere, CE:May 71:44
Impulse Jet Vehicles, Gunnar Mouritzen, Preprint No.1422, July 71
Inspect Bridges Now, Avoid Problems Later, Chester F. Comstock, CE:Nov 71:66
Major Research Studies on Signs, Lights and Guardrails, James R. Novak and Krieger W. Henderson, Jr., TE4:Nov 70:523:7663
TR:136:1263
Material Safety Requirements of Hyperbaric Facilities, William J. Bobisch and Michael Yachnis, Preprint No.1357, Apr 71
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939
New Highway Bridge Dimensions for Safety, John N. Clary, TE2:May 71:371:8152
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Reevaluation and Reconstruction of California Dams, Clifford J. Cortright, PO1:Jan 70:55:7008
TR:136:368
Safety Inspection Of Hydro Projects-FPC Order 315, Arthur Martin, Jr., PO2:Mar 71:449:7958
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TR:136:659
Tire-Pavement Interactiono, Bob M. Gallaway, Jerry G. Rose and Jon A. Epps, Preprint No.1325, Jan 71
Trash Rack Studies - Seneca Pumped-Storage Plant, David S. Louie and Arthur E. Allen, Preprint No.1284, Jan 71

Safety Devices
1,250-ton Rotating Derrick, David M. Herring, CE:July 71:53

Safety Engineering
Designing Fail-Safe Structures of Highway Safety, Flory J. Tamanini, TE2:May 71:305:8150

Safety Factor
Concept of Structural Control, James T. P. Yao, Preprint No.1360, Apr 71
Consistent Partial Safety Factors, Niels C. Lind, ST6:June 71:1651:8166
Objective Determination of Safety Factor in Reservoir Design, E. R. Close, Leo R. Beard and D. R. Dawdy, ST5:May 70:1167:7297
TR:136:1235
Safety Factors and Probability in Structural Design, Alfredo H.-S. Ang and Mohammad Amin, ST7:July 69:1389:6667
TR:136:161

Safety Factors
Shear Strength and Stability of Man-Made Slopes, Awtar Singh, SM6:Nov 70:1879:7652

Sahara Desert
Future of Ground Water in African Sahara Desert, Hammad Y. Hammad, IR4:Dec 69:563:6986
TR:136:392

Salaries
Blueprint for the New ASCE Year, Samuel S. Baxter, CE:Jan 71:43

XUM

Dsc, Engineering Salaries Up Despite Employment Lag, CE:Mar 71:64
Engineers Salaries: What California Is Doing, Schaefer J. Dixon and L. Lawrence Lewis, CE:June 70:56
Dsc: Thomas Cheswick, CE:Jan 71:45
TR:136:454
Guidelines for Employer-Engineer Relationships, CE: July 71:57

Sales
The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78
Competitive Bidding on Foreign Work, E. Montford Fucik, PP1:Oct 71:121:8456

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Dispersion and Flushing of Pollutants in Extuaries, Donald W. Pritchard, HY1:Jan 69:115:6344
TR:136:875
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TR:136:4
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TR:136:981
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TR:136:1186
Pattern Forming Forces in Deltas, Richard Silvester and Catalino del Rosario de la Cruz, WW2:May 70: 201:7260
TR:136:615
Turbulent Diffusion and Entrainment in Two-Layer Flow, T. Carstens, WW1:Feb 70:97:7081
TR:136:724
Uses of Models in Resolving Tidal Problems, Henry B. Simmons, HY1:Jan 69:125:6345
TR:136:898

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Salinity Intrusion Effects in Estuary Shoaling, Donald R.F. Harleman and Arthur T. Ippen, HY1:Jan 69:9: 6340
TR:136:772
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TR:136:893

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Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY12:Dec 70:2417:7781
Depth-Integrating and Dip Samplers, Walter G. Knisel and Ralph W. Baird, HY2:Feb 70:497:7084
TR:136:569

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TR:136:648
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Least Cost Sand Design for Iron Removal, Jerry Y. C. Huang and E. Robert Baumann, SA2:Apr 71: 171:8060

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TR:136:567
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TR:136:1063
An Analytical Description of the Behavior of Granular Media, Jay B. Weidler and Paul R. Paslay, EM2:Apr 69:379:6491
TR:136:712
Aswan High Dam: Rockfill Built Under Water, Taher Abu-Wafa and Aziz H. Labib, CE:Aug 71:64
Bearing Capacity of Foundation on Sand, Assad Abdul-Baki and Lewis A. Beik, SM2:Mar 70:545:7158
TR:136:1267
Behavior of Dry Sands under Cyclic Loading, D. H. Timmerman and Tien H. Wu, SM4:July 69:1097:6698
TR:136:186
Behavior of Sands Under Surface Loads, Jack R. Morgan and Charles M. Gerrard, SM12:Dec 71:1675:8577
Bentonite Sealing Methods Compared in the Field, Myron B. Rollins and Anthony S. Dylla, IR2:June 70:193:7379
TR:136:959
Comparison of Plane Strain and Triaxial Tests on Sand, Kenneth L. Lee, SM3:May 70:901:7276
TR:136:910
Comparison of Stress-Dilatancy Theories, George J. W. King and Edward A. Dickin, SM5:Sept 70:1697:7516
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TR:136:944
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TR:136:592
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TR:136:902
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TR:136:498
Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, SM6:Nov 69:1365:6882
TR:136:233
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TR:136:320
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TR:136:1275
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Low Velocity Projectile Penetration, Wen L. Wang, SM12:Dec 71:1635:8592
Model Study of Passive Pressure in Sand, Jagdish Narain, Swami Saran and P. Nandakumaran, SM4:July 69:969:6655
TR:136:708
Movement of Sand in Tunnels, Dagfinn K. Lysne, HY6:Nov 69:1835:6880
TR:136:263
Performance of Foundation for Altair Radar, Robert V. Whitman, Dirk R. Casagrande, Kjell Karlsrud and Richard Simon, SM1:Jan 71:1:7809
Processing and Analysis of Radioisotopic Sand Tracer (RIST) Study Data, H. R. Brashear, E. H. Acree, F. N. Case, P. A. Turner and David B. Duane, 12CEC:pp.821-830, 1971
Sand Liquefaction In Triaxial and Simple Shear Tests, W. D. Liam Finn, Dennison J. Pickering and Peter L. Bransby, SM4:Apr 71:639:8039
Sand Movement Measurement Near Anchor Plates, Robert W. Carr and Thomas H. Hanna, TN: SM5:May 71:833:8087
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510
Seepage Force on Interfacial Bed Particles, C. Samuel Martin and Mustafa M. Aral, HY7:July 71:1081:8239
Simplified Procedure for Evaluating Soil Liquefaction Potential, H. Bolton Seed and Izzat M. Idriss, SM9:Sept 71:1249:8371
Some Experiments with Sand-filled Flexible Tubes, Per Roed Jakobsen and Arne Hasle Nielsen, 12CEC:pp.1513-1521, 1971
Some Sand Transport Phenomena on Coasts with Bars, M. Dyhr-Nielsen and Torben Sorensen, 12CEC:pp.855-865, 1971
Standard Penetration Test for Sand Denseness, Harold J. Gibbs, 4PCSM:pp.27-36, 1971
Static Cone to Compute Static Settlement Over Sand, James K. Mitchell, SM3:May 70:1011:7302
Stress Analysis of Contractive or Dilative Soil, Ian M. Smith and Stephen Kay, SM7:July 71:981:8263
A Study of Bulk and Shear Moduli of a Sand, Leonard Domaschuk and Neil H. Wade, SM2:Mar 69:561:6461
TR:136:64
Successive Saltation of a Sand Grain by Wind, Yoshito Tsuchiya, 12CEC:pp.1417-1427, 1971
Synoptic Observations of Sand Movement, David B. Duane, 12CEC:pp.799-813, 1971
Test Procedures for Measuring Soil Liquefaction Characteristics, H. Bolton Seed and William H. Peacock, SM8:Aug 71:1099:8330
Undrained Strength of Anisotropically Consolidated Sand, Kenneth L. Lee and H. Bolton Seed, SM2:Mar 70:411:7136
TR:136:786
Vibratory Densification of Damp Clayey Sands, Raymond J. Krizek and Jose I. Fernandez, SM8:Aug 71:1069:8320

Sand Waves
Initial Instability of Fine Bed Sand, Anthony J. Grass, HY3:Mar 70:619:7139
TR:136:1219
Initiation of Ripples on Flat Sediment Beds, Philip B. Williams and Patrick H. Kemp, HY4:Apr 71:505:8042

Sandwich Panels
Criteria for the Design of Steel Sandwich Panels, T. C. McCavour, Preprint No.1407, Apr 71
Face Wrinkling of Sandwich Plates and Cylinders, Yau-Cheung Wong and Peter G. Hoadley, EM4:Aug 71:1071:8281
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71

Sandwich Structures
Bending of Clamped Orthotropic Sandwich Plates, G. M. Folie, EM3:June 70:243:7340
Nonlinear Buckling Analysis of Sandwich Arches, Parviz Sharifi and Egor P. Popov, EM5:Oct 71:1397:8417
Stiffness Matrix for Sandwich Folded Plates, G. M. Folie, ST2:Feb 71:603:7925

Sanitary Engineering
Activated Sludge ATP: Effects of Environmental Stress, Patrick L. Brezonik and James W. Patterson, SA6:Dec 71:813:8581
Adsorption of Pesticides by Clay Minerals, Ju-Chang Huang and Cheng-Sun Liao, SA5:Oct 70:1057:7603

XUM

Aeration System for Large Navigable Rivers, William Whipple, Jr. and Shaw L. Yu, SA6:Dec 71:883: 8601
Aerator Performance in Natural Streams, Shaw L. Yu, SA5:Oct 70:1099:7601
Agglomerate Size Changes in Coagulation, Robert K. Ham and Russell F. Christman, SA3:June 69:481: 6605
TR:136:127
Algal Reactor For Life Support Systems, Gedalia Shelef, William J. Oswald and P. H. McGauhey, SA1:Feb 70:91:7105
TR:136:797
Analysis of Equalization Basins, Alfred T. Wallace, SA6:Dec 68:1161:6310
TR:136:713
Analysis of Orthotropic Steel Plate Bridge Decks, Graham H. Powell and David W. Ogden, ST5:May 69:909:6563
TR:136:1103
Analysis of Water Temperature Variations in Large River, Veerasamy Kothandaraman, SA1:Feb 71:19: 7908
Analytic and Process Classification of Effluents, T. Helfgott, J. V. Hunter and D. Rickert, SA3:June 70:779:7374
Analyzing Steam Electric Power Plant Discharges, John Eric Edinger and John C. Geyer, SA4:Aug 68:611:6064
TR:136:634
Automatic Water and Waste Treatment Plants in Operation, Ralph Stone and E. T. Conrad, CE:May 70:37
TR:136:387
Backwashing of Granular Water Filters, Thomas R. Camp, S. David Graber and Gerard T. Conklin, SA6:Dec 71:903:8605
Basin Tracer Curves Interpreted by Basic Analytics, A. Adler Hirsch, SA6:Dec 69:1031:6951
TR:136:269
Batch Adsorption Kinetics in Sewage--Activated Carbon, Jeffrey S. Hsieh, Raffi M. Turian and Chi Tien, SA4:Aug 71:505:8339
Biokinetic Evaluation of BOD Concepts and Data, William E. Gates and Sambhunath Ghosh, SA3: June 71:287:8184
Biological Effects on Sediment-Water Nutrient Interchange, Donald B. Porcella, James S. Kumagai and E. Joe Middlebrooks, SA4:Aug 70:911:7460
TR:136:1156
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, SA5:Oct 71: 617:8425
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, SA4:Aug 71:479:8329
Characterization of Time-Varying Organic Loads, Alfred T. Wallace and Donald M. Zollman, SA3: June 71:257:8167
Character of Sludge Drying, J. Charles Jennett and Israel W. Santry, Jr., SA5:Oct 69:849:6833
TR:136:216
Chemistry of N and Mn in Cox Hollow Lake, Wis., Following Destratification, Patrick L. Brezonik, Joseph J. Delfino and G. Fred Lee, SA5:Oct 69: 929:6850
TR:136:790
Chlorination Dynamics in Wastewater Effluents, Yehuda Kott, SA5:Oct 71:647:8433
Clay Slurry Sorption of Carrier-Free Radiocations, William A. Goldsmith and W. Emmett Bolch, SA5: Oct 70:1115:7611
TR:136:1068
Clean Air Management in Allegheny County, Pa., Edward L. Stockton, SA5:Oct 70:1211:7609
TR:136:1121
Coliform-Fecal Coliform Bacteria in Tidal Waters, Gerald A. Strobel, SA4:Aug 68:641:6068
TR:136:629
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Comprehensive Public Water Supply Planning, Anthony Pavone, SA5:Oct 71:745:8450
Computer Design of CMAS Systems, Daniel W. Smith, SA4:Aug 70:977:7474
TR:136:1013
Concepts and Utilities of Ecologic Model, Carl W. Chen, SA5:Oct 70:1085:7602
TR:136:1280
Contamination of Oysters by Pesticides, Donald R. Rowe, Larry W. Canter and J. W. Mason, SA5:Oct 70:1221:7619
TR:136:1294
Control of Bacterial Growths in Rapid Sand Filters, John T. O'Connor and Kalyanpur Y. Baliga, SA6: Dec 70:1377:7767
Cost of Residential Solid Waste Collection, Robert M. Clark, B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Decentralized Solid Waste Collection Facilities, Robert M. Clark and Billy P. Helms, SA5:Oct 70: 1035:7594
Design Capacities to Accommodate Forecast Uncertainties, Paul M. Berthouex and Lawrence B. Polkowski, SA5:Oct 70:1183:7633
TR:136:1180
Design of U-Tube Aeration Systems, Richard E. Speece and Rudolph Orosco, SA3:June 70:715:7348
TR:136:951
Destruction of Bacteria and Viruses in Seawater, Ralph Mitchell, SA4:Aug 71:425:8299
Diffusion of Sewage Effluent from Ocean Outfall, Robert E. Stewart, Hugh D. Putnam, Richard H. Jones and Thomas N. Lee, SA4:Aug 71:485:8340
Disinfection of Algal Laden Waters, Wayne F. Echelberger, Jr., SA5:Oct 71:721:8472
Dissolved Oxygen Variations in Stratified Lakes, David A. Bella, SA5:Oct 70:1129:7628
TR:136:1237
Drying of Sand-Digested Sludge Mixtures, Martin E. Harper and Brian W. Mar, SA2:Apr 70:381:7222
TR:136:595
Dynamic Model of the Anaerobic Digestion Process, John F. Andrews, SA1:Feb 69:95:6418
TR:136:714
Economic Measure of Effect of Extreme Data, Myron B. Fiering, SA4:Aug 69:683:6720
TR:13:49
Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503
Effects of Viscous Sublayer on Dispersion, Chin-lien Yen, SA6:Dec 69:1105:6971
TR:136:568
Efficiency of Refuse Collection Crews, Jimmie E. Quon, Robert R. Martens and Masaru Tanaka, SA2:Apr 70:437:7232
TR:136:863
Empirical Analysis of Commercial Solid Waste Generation, Truett V. DeGeare and Jerry E. Ongerth, SA6:Dec 71:843:8589
Engineering Considerations in Disinfection, Robert J. Baker, NSCD:pp.683-697, 1971
Engineering Evaluation of Virus Hazard in Water, by the Committee on Environmental Quality Management of the Sanitary Engineering Division, Bernard B. Berger, Chmn., SA1:Feb 70:111:7112
TR:136:1064
Environmental Effects of Oil Pollution, Thomas A. Murphy, SA3:June 71:361:8221
Environmental Health and Community Planning, Joseph A. Salvato, Jr., UP1:Aug 68:23:6084
TR:136:238
Environmental Protection-TVA Experience, Francis E. Gartrell and James C. Barber, SA6:Dec 70:1321: 7761
Estimating Eutrophic Potential of Pollutants, Dee Mitchell and James C. Buzzell, Jr., SA4:Aug 71: 453:8333
Estimation of Sludge Centrifuge Performance, P. Aarne Vesilind, SA.3:June 70:805:7378
Estuarine Oxygen Resources-Photosynthesis and Reaeration, Thomas E. Bailey, SA2:Apr 70:279: 7215
TR:136:517

Estuarine Water Quality Management, Richard L. Rosenberger and Raymond Walsh, SA05:Oct 68: 913:6164
TR:136:678
Evaluation of Anaerobic Denitrification Processes, Daniel F. Seidel and Ronald W. Crites, SA2:Apr 70:267:7211
TR:136:1247
Evaluation of Nitrification in Streams, Chester T. Wezenak and John J. Gannon, SA5:Oct 68:883: 6159
TR:136:692
Evaluation of Some Stabilization Ponds in India, R. H. Siddiqi and B. K. Handa, SA1:Feb 71:91:7912
Examination of the Thermocline, John C. Sonnichsen and Clarence A. Oster, SA2:Apr 70:353:7219
Fate of Thermally Polluted Surface Water in Rivers, Cheng-Lung Chen, SA3:June 71:311:8197
Filtration of Chlorella Through Dune-Sand, Yair Folkman and Alberto M. Wachs, SA3:June 70:675: 7332
Filtration of Treated Sewage Effluent, George Tchobanoglous and Rolf Eliassen, SA2:Apr 70:243: 7210
TR:136:438
Filtration Through a Trimedia Filter, Alan E. Rimer, SA3:June 68:521:6014
TR:136:25
Financing Municipal Solid Waste Management Systems, Robert M. Clark and Richard O. Toftner, SA4:Aug 70:885:7449
TR:136:973
Finite-Difference Convection Errors, David A. Bella and William J. Grenney, SA6:Dec 70:1361:7744
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
Forecasting Water Demands and Systems Capabilities, Wyndham J. Roberts, Sandor C. Csallany and Neil G. Towery, SA6:Dec 70:1349: 7745
Graphic Dissolved Oxygen Computation, Neal P. Dixon, CE:Mar 71:60
Dsc: Santosh R. Goswami, CE:Sept 71:67; Eugene T. Taggart, CE:June 71:40
Ground Water Recharge Design for Renovating Waste Water, Herman Bouwer, SA1:Feb 70:59: 7096
TR:136:468
Hydraulically Ventilated Underground Filter, David K. Hills and Ray B. Krone, SA6:Dec 71:851:8596
Hydrolysis of Lipids in Wastewater, Gary R. Kramer, SA5:Oct 71:731:8418
Implications of Nitrogenous BOD in Treatment Plant Design, Russell C. Mt. Pleasant and Warren Schlickenrieder, SA5:Oct 71:709:8469
Inactivation of Virus in Sewage, Vincent P. Olivieri, Thomas K. Donovan and Kazuyoshi Kawata, SA5: Oct 71:661:8419
Instream Aerators for Polluted Rivers, William Whipple, Jr., Francis P. Coughlan, Jr. and Shaw L. Yu, SA5:Oct 70:1153:7631
Integrated Approach to Problem of Viruses in Water, Gerald Berg, SA6:Dec 71:867:8590
Investigation of a Wood Curing Waste, Vernon L. Stump and Franklin J. Agardy, SA6:Dec 69:1051: 6953
TR:136:284
Iron Removal Using Magnesium Oxide, John T. O'Connor and Barrett E. Benson, SA6:Dec 70: 1335:7740
TR:136:1328
Kinetic Analysis of Data from Biological Systems, Robert L. Irvine and Donald J. Schaezler, SA4:Aug 71:409:8323
Leaching of Pollutants From Refuse Beds, Syed R. Qasim and Jerry C. Burchinal, SA1:Feb 70:49:7078
TR:136:453
Least Cost Sand Design for Iron Removal, Jerry Y. C. Huang and E. Robert Baumann, SA2:Apr 71: 171:8060
Lignosulphonates in Lake Paijanne Water, Seppo Priha, SA2:Apr 71:191:8021
Loading Rates on Waste Stabilization Ponds, Larry W. Carter, Andrew Englande, Jr. and Alfred F. Mauldin, Jr., SA6:Dec 69:1117:6975
Longitudinal Mixing in Spiral Flow Aeration Tanks, Keith L. Murphy and Boris I. Boyko, SA2:Apr 70: 211:7200
TR:136:1210
Low Temperature Activated Sludge Settling, Sherwood C. Reed and R. Sage Murphy, SA4:Aug 69:747:6747
TR:136:185
Mass Transfer Limitations in Substrate Removal, C. Robert Baillod and William C. Boyle, SA2:Apr 70: 525:7239
TR:136:891
Measuring Subsurface Spring Flow With Radiotracers, William C. Galegar and Myron W. DeGeer, SA6:Dec 69:1097:6973
TR:136:332
Mixed Liquor Solids Separation by Flotation, Michael C. Mulbarger and Donald D. Huffman, SA4:Aug 70:861:7447
TR:136:983
Model for Flow Augmentation Analysis-An Overview, George R. Grantham, Edwin E. Pyatt, James P. Heaney and Buford J. Carter, Jr., SA5: Oct 70:1045:7578
TR:136:1131
Model of Natural Draft Cooling Tower Performance, Lawrence D. Winiarski and Bruce A. Tichenor, SA4:Aug 70:927:7461
TR:136:1028
Monte Carlo Simulation of Industrial Waste Discharges, Paul M. Berthouex and Linfield C. Brown, SA5:Oct 69:887:6836
TR:136:318
Nitrogen Removal By Modified Activated Sludge Process, Srinivasalu Balakrishnan and W. Wesley Eckenfelder, Jr., SA2:Apr 70:501:7236
TR:136:901
Nitrogen Transformation in Activated Sludge Treatment, Jerzy Ganczarczyk, SA3:June 71:247: 8163
Numerical Solution of Filtration Equations, Arun K. Deb, SA2:Apr 70:195:7199
Optimal Reservoir Releases for Water Quality Control, Norbert A. Jaworski, Walter J. Weber and Rolf A. Deininger, SA3:June 70:727:7361
TR:136:963
Optimal Routing of Refuse Collection Vehicles, Richard M. Bodner, E. Alan Cassell and J. Peter Andros, SA4:Aug 70:893:7451
TR:139:1274
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
Phosphate Release in Activated Sludge Process, Clifford W. Randall, Duane W. Marshall and Paul H. King, SA2:Apr 70:395:7223
TR:136:816
Phosphate Removal at Baltimore, Maryland, Marion R. Scalf, Fred M. Pfeffer, Lawrence D. Lively, Jack L. Witherow and Charles P. Priesing, SA5:Oct 69: 817:6817
TR:136:103
Phosphate Removal: Summary of Papers, Milton Spiegel and Tom H. Forrest, SA5:Oct 69:803:6807
TR:136:89
Photosynthesis and Oxygen Balance in Streams, Donald J. O'Connor and Dominic M. Di Toro, SA2:Apr 70:547:7240
TR:136:1201
Physical Behavior of Flocculent Suspensions in Upflow, James C. Brown and Enrique LaMotta, SA2:Apr 71:209:8054
Pilot Plant Testing for Municipal Sewage Treatment, Robert C. Moore, SA2:Apr 70:573:7242
TR:136:922
Plastic Relining of Small-Diameter Pipes, Raymond M. Brenner, SA2:Apr 70:297:7216
TR:136:549
Potable Water Availability on Long Oceanic Islands, Eugene W. Rochester, Jr. and George J. Kriz, SA5: Oct 70:1235:7627
TR:136:1019

XUM

Predicting Effects of Dead Zones on Stream Mixing, Edward L. Thackston and Karl B. Schnelle, SA2: Apr 70:319:7218
TR:136:1322
Probabilistic Variations in Ultimate First Stage BOD, Veerasamy Kothandaraman, SA1:Feb 70:27:7054
TR:136:425
Problems Associated with Planning BOD Experiments, Paul M. Berthouex and William G. Hunter, SA3:June 71:333:8202
Problems in Obtaining Adequate Sewage Disinfection, Harvey F. Collins, Robert E. Selleck and George C. White, SA5:Oct 71:549:8430
Processing and Recovery of Municipal Solid Waste, Robert F. Testin and Neil L. Drobny, SA3:June 70: 699:7345
TR:136:1266
Public Health Factors in Reactor Site Selection, J. G. Terrill, C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3
Rationale of Standards for Use of Reclaimed Water, Herbert B. Foster, Jr. and William F. Jopling, SA3: June 69:503:6609
TR:136:767
Rational Multivariate Algal Growth Kinetics, E. Joe Middlebrooks and Donald B. Porcella, TN: SA1: Feb 71:135:7859
Reaeration Measurements in an Estuarn, David W. Juliano, SA6:Dec 69:1165:6987
TR:136:391
Recent Paper Industry Waste Treatment Systems, William J. Gillespie, SA2:Apr 70:467:7234
TR:136:857
Residue Characterizations, Robert J. Schoenberger and Paul W. Purdom, SA3:June 69:387:6590
TR:136:735
Response of Activated Sludge to Organic Transient Loadings, Carl E. Adams, Jr. and W. Wesley Eckenfelder, Jr, SA2:Apr 70:333:7205
TR:136:1231
Role of Activated Sludge Final Settling Tanks, Richard I. Dick, SA2:Apr 70:423:7231
TR:136:1261
Sample Weights in Solid Waste Composition Studies, Albert J. Klee and Dennis Carruth, SA4:Aug 70: 945:7469
Scaling Methods for Surface Aerators, George Maise, SA5:Oct 70:1079:7605
TR:136:1287
Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280
Septic Tank Systems, Joseph A. Cotteral, Jr. and Dan P. Norris, SA4:Aug 69:715:6735
TR:136:174
Sewage Treatment System Odors and Air Pollutants, Ralph Stone, SA4:Aug 70:905:7456
TR:136:1004
Shearing Effects On Settling of Activated Sludge, Richard A. Bradley and Ray B. Krone, SA1:Feb 71: 59:7926
Simulation of Ammonia Stripping from Wastewater, Joseph F. Roesler, Robert Smith and Richard G. Eilers, SA3:June 71:269:8182
Sixty Years of Rock Tunneling in Chicago, Milton Pikarsky, CO2:Nov 71:189:8504
Solidification of Sludges with Portland Cement, E. Alan Cassell and Thomas W. Walker, SA1:Feb 70: 15:7053
TR:136:411
Statistical Assessment of DO in Navigation Pool, Thomas A. Butts, Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
TR:136:881
Statistical Experimental Design: BOD Tests, Paul M. Berthouex and William G. Hunter, SA4:Aug 71: 393:8286
Stochastic Model for BOD and DO in Estuaries, Stephen W. Custer and Richard G. Krutchkoff, SA5:Oct 69:865:6834
TR:136:784
Stream Enrichment from Farm Operations, Neal E. Minshall, Stanley S. Witzel and M. Starr Nichols, SA2:Apr 70:513:7238
TR:136:912
Sulfide Production in Waste Stabilization Ponds, Earnest F. Gloyna and Ernesto Espino, SA3:June 69:607:6637
TR:136:1080
Sulfuric Acid Attack on Concrete Sewer Pipe, Alvin H. Meyer and William B. Ledbetter, SA5:Oct 70: 1167:7624
TR:136:1117
System Optimization of Waste Treatment Plant Process Design, Chia Shun Shih and John A. DeFilippi, SA2:Apr 70:409:7230
TR:136:846
Tertiary Treatment by Flocculation and Filtration, DeFro Tossey, Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484
Theoretical Analysis of Activated Sludge Dynamics, Charles R. Ott and Richard H. Bogan, SA1:Feb 71: 1:7879
Theoretical Evaluation of Filter Modeling Experiments, Charles R. Ott and Richard H. Bogan, SA2:Apr 70:455:7233
TR:136:838
Theory of Multilayer Filtration, Shyam S. Mohanka, SA6:Dec 69:1079:6959
TR:136:231
Theory of Sand Filtration, Arun K. Deb, SA3:June 69:399:6593
TR:136:62
Thermal Discharges From Large Nuclear Plant, Stanley Moyer and Edward C. Raney, SA6:Dec 69: 1131:6983
TR:136:377
Time-Capacity Expansion of Waste Treatment Systems, Thomas M. Rachford, Russell F. Scarato and George Tchobanoglous, SA6:Dec 69:1063:6957
TR:136:304
Total Dollar Benefit of Water Pollution Control, Nelson L. Nemerow and Robert C. Faro, SA3:June 70:665:7323
TR:136:1220
Transfer of Oxygen in Aqueous Solutions, Edwin L. Barnhart, SA3:June 69:645:6639
TR:136:775
Transport of Dissolved Wastes in Rivers, Roger Don Shull and Earnest F. Gloyna, SA6:Dec 69:995:6948
TR:136:249
Treatment of Mine Drainage by Industry in Pennsylvania, Walter N. Heine and Ernest F. Giovannitti, SA3:June 70:743:7362
TR:136:964
Treatment of Refinery Waste by Physicochemical Processes, Ju-Chang Huang and Michael G. Hardie, SA4:Aug 71:467:8318
Tube Clarification Process, Operating Experiences, Gordon L. Culp, Kou-ying Hsiung and Walter R. Conley, SA5:Oct 69:829:6823
TR:136:198
Turbulence and Flocculation, Yerachmiel Argaman and Warren J. Kaufman, SA2:Apr 70:223:7201
TR:136:354
Valuation of Flow Augmentation Releases, Buford J. Carter, Jr., James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203
Variability of Waste Treatment Plant Performance, Robert V. Thomann, SA3:June 70:819:7380
TR:136:1168
Versatility and Expandability of Pretreatment, Rolf Eliassen and D. F. Coburn, SA2:Apr 69:299:6514
TR:136:1038
Viral Disinfection of Estuarine Water by UV, William F. Hill, Jr., Elmer W. Akin, William H. Benton and Frederick E. Hamblet, SA5:Oct 71:601:8423
Virus Inactivation During Phosphate Precipitation, Dirk R. Brunner and Otis J. Sproul, SA2:Apr 70: 365:7220
TR:136:1253
Wastewater Reuse--A Supplemental Supply, John D. Parkhurst, SA3:June 70:653:7318
TR:136:942

Water and Health-Are We Concerned Enough?, Walter A. Lyon, SA5:Oct 70:1147:7595
Water Quality Control in California, B. Norman Hume, SA4:Aug 70:873:7448
Water Quality: Cost Benefits of Irreducibles, Ralph Stone, William F. Garber and Helen Friedland, SA3:June 70:691:7336
TR:136:930
Water Quality Simulation Model, George R. Grantham, John C. Schaake, Jr. and Edwin E. Pyatt, SA5:Oct 71:569:8429
Water Reuse Systems Analysis, A. Bruce Bishop and David W. Hendricks, SA1:Feb 71:41:7898
Water Supply and Waste Water Districts in Suburbia, Myron K. Nelson and R. L. Chandler, SA2:Apr 70:593:7247
TR:136:1190

Sanitary Engineers
Unified Basis for Biological Treatment Design and Operation, Alonzo W. Lawrence and Perry L. McCarty, SA3:June 70:757:7365

Sanitary Sewers
HUD Sewer Policy in Urban Renewal Areas, Francis J. Blesso, Preprint No.1535, Oct 71
Sanitary Sewer Extension Built Above Ground, R. Andrew Easley, Jr., CE:Apr 71:66

Saturated Flow
Unsteady Free Surface Ground Water Seepage, Rameshwar D. Verma and Wilfried Brutsaert, HY8:Aug 71:1213:8337

Saturation
Physics of Desaturation in Porous Materials, Nikolas F. White, Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878

Scale Effect
Scaling Methods for Surface Aerators, George Maise, SA5:Oct 70:1079:7605
TR:136:1287

Scanners
ACI --A Tool for Simulation and Process Control, Richard C. Schoppert, Preprint No.1433, July 71

Scheduling
The CPM-by-Calendar Algorithm, John B. O'Shea, CO2:Oct 68:139:6142
TR:136:572
The Impact of Staggered Work Hours on Public Transportation, Roger H. Gilman, NA:Mar 71:91
Owner's Return from CPM-Fact or Fiction, Lewis W. McBride, CO1:June 70:1:7316
TR:136:461
Planning Monitoring Frequencies for CPM Projects, Douglas A. Elvers, CO2:Nov 71:211:8503
Scheduling Irrigations Using Climate-Crop-Soil Data, Marvin E. Jensen, David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524

Scour
Bank Stabilization in Susquehanna River Basin, James E. Crews, WW1:Feb 70:87:7061
TR:136:586
Bridge Design Considering Scour and Risk, Emmett M. Laursen, TE2:May 70:149:7262
TR:136:432
Control of Scour at Hydraulic Structures, Thomas E. Murphy, Preprint No.1288, Jan 71
Irrigation Channel Structures, Victoria, Australia, Keith A. Murley, IR2:June 70:131:7371
Let It Erode - to a Point, Clifford C. Hood, Preprint No.1348, Jan 71
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TR:136:458
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TR:136:113
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TR:136:1070
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TR:136:825
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XUM

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TR:136:549
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TR:136:595
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TR:136:1247
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TR:136:955
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TR:136:769
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TR:136:901
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TR:136:846
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TR:136:484
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TR:136:304
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TR:136:1265
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TR:136:198
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TR:136:1038
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TR:136:1253
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TR:136:1190
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TR:136:1004
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TR:136:1117
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TR:136:511
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XUM

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TR:136:189
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TR:136:277
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Initial Settlement of Structures on Clay, David J. D'Appolonia, Harry G. Poulos and Charles C. Ladd, SM10:Oct 71:1359:8438
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Torsion of Multilayered Rectangular Section, John R. Booker and Sritawat Kitipornchai, EM5:Oct 71:1451:8415

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Analysis of Shear Walls with Openings, Chiyyarath V. Girijavallabhan, ST10:Oct 69:2093:6824
TR:136:280
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TR:136:48
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TR:136:592
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Bearing Capacity of Anisotropic Cohesive Soil, Edward H. Davis and John T. Christian, SM5:May 71:753:8146
Behavior of Single Mineral Soils in Triaxial Shear, Robert M. Koerner, SM4:July 70:1373:7432
TR:136:1323
Collapse of Fargo Grain Elevator, Reymond L. Nordlund and Don U. Deere, SM2:Mar 70:585:7172
TR:136:847
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TR:136:1255
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Dynamic Shearing Resistance of Dry Ottawa Sand, Kenan Atakol and H. Gordon Larew, SM2:Mar 70:705:7186
TR:136:902
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TR:136:1317
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TR:136:289
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TR:136:768
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TR:136:1300
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TR:136:148
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TR:136:882

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TR:136:365
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TR:136:561
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TR:136:842
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TR:136:1023
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TR:136:902
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TR:136:195

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TR:136:465
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TR:136:835
Buckling and Post-Buckling of Spherical Caps, Nuri Akkas and Nelson R. Bauld, Jr., EM3:June 71:727: 8189
Buckling of Axially Loaded Cylindrical Panels, Pan San Hsueh and Alexander Chajes, EM3:June 71: 919:8210
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TR:136:1187
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Cooling Towers Supported on Columns, Salman H. Abu-Sitta, ST12:Dec 70:2575:7753
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TR:136:1083
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Dynamic Response of Initially-Stressed Membrane Shells, John W. Leonard, EM5:Oct 69:1231:6859
TR:136:822
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Earthquake Design of Cooling Towers, Salman H. Abu-Sitta and Alan G. Davenport, ST9:Sept 70: 1889:7524
Finite-Element Analysis of Skewed Shallow Shells, David A. Pecknold and William C. Schnobrich, ST4:Apr 69:715:6523
TR:136:725
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Geometrically Nonlinear Finite-Element Analysis, Carlos Brebbia and Jerome J. Connor, EM2:Apr 69:463:6516 TR:136:731
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Nonsymmetric Vibrations of Thin Cylindrical Shells, Chi-Wen Lin, ST10:Oct 70:2175:7632
Optimum Design of Reinforced Concrete Tanks, Robert E. Melchers and George I. N. Rozvany, EM6:Dec 70:1093:7739
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Shielding

Construction Of Multibarrier Containment Vessels, D. M. Leppke, C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71
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Shields (Tunneling)

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Shipbuilding

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Lift Dock Combines Drydock and Transfer Platform, Amirikian Arsham, CE:July 71:37

Ship Hulls

Waves Generated By Model Ship Hull, Robert M. Sorensen, WW4:Nov 69:513:6910 TR:136:733

Ship Maneuvering

Dynamics of Ship Anchor-Lines in Waves and Currents, Basil W. Wilson and Donald H. Garbaccio, WW4:Nov 64:449:6888 TR:136:275
Economic Channels and Maneuvering Areas for Ships, Clarence F. Wicker, WW3:Aug 71:443:8308
Economics of Channels and Maneuvering Areas for Ships, Richard G. Waugh, Jr., WW4:Nov 71:671:8537
Vessel Controllability in Restricted Waters, Edwin W. Eden, Jr., WW3:Aug 71:475:8310

Shipping Containers

Containership Finger Pier has Unique Fender System, Warren M. Buser, CE:Apr 71:58

Ships

Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
Economic Channels and Maneuvering Areas for Ships, Clarence F. Wicker, WW3:Aug 71:443:8308
Economics of Channels and Maneuvering Areas for Ships, Richard G. Waugh, Jr., WW4:Nov 71:671:8537
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Shipyards
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TR:136:831

Shoaling
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TR:136:666

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TR:136:1104

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TR:136:1296
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Shoring
Tension Piles and Diagonal Tie-Backs, Norman L. Liver, CO1:July 69:107:6692
TR:136:1124

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The Remote Airport, David R. Miller, T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71
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Shotcrete
Shotcrete Support in Rock Tunnels in Scandinavia, Owen S. Cecil, CE:Jan 70:72
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TR:136:143

Shredders
Mini Automobile-shredding Plant for Western Michigan, Charles E. Haltenhoff, CE:Apr 71:55

Shrinkage
Creep, Cracking, and Shrinkage in Concrete Frame Structures, Lawrence G. Selna, ST12:Dec 69:2743:6949
TR:136:1232
Shrinkage and Shrinkage Restraints in Concrete Pavements, Shigeyoshi Nagataki, ST7:July 70:1333:7402

XUM

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Applications of Airborne Remote Sensing Technology, Ralph W. Kiefer and James P. Scherz, SU1:Apr 70:57:7225
TR:136:781

Sidesway
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71
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TR:136:416
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Applying Analytical Techniques to the Design of Railway Signal Systems, David R. Fialkoff and David M. Weiss, Preprint No.1483, July 71

Signals
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Signs
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Silting
Dams and Ecology: Can They be Made Compatible?, Darrell J. Turner, CE:Sept 71:76

Silts
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TR:136:183

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TR:136:1161

Similitude
Drainage of Soil Profiles, Royal H. Brooks, Corey Benedict, Gilbert L. Corey and Arthur T. Cores, IR3:Sept 71:455:8389

Simulation
ACI --A Tool for Simulation and Process Control, Richard C. Schoppert, Preprint No.1433, July 71
Air Traffic Simulation, 1- and 2-Runway Airports, Stephen Hall, Preprint No.1421, July 71
Application of an Airfield Surface System Model, Donald Maddison, Preprint No.1492, July 71
Barge Tow Traffic Simulation Models, Patrick H. Carigan, Preprint No.1479, July 71
Computer Simulation of Sediment Deposit in an Alluvial Channel, Fred F. M. Chang, Dennis L. Richards and Yuh Hua Tsai, Preprint No.1538, Oct 71
Estimating Costs of Earthwork via Simulation, Jack H. Willenbrock, Preprint No.1359, Apr 71
Evaluation of Airfield Performance by Simulation, Austin E. Brant, Jr. and Patrick J. McAward, Jr., Preprint No.1486, July 71
Monte Carlo Simulation of Industrial Waste Discharges, Paul M. Berthouex and Linfield C. Brown, SA5:Oct 69:887:6836
TR:136:318
Ocean Wave Simulation for Engineering Design, Leon Emry Borgman, WW4:Nov 69:557:6925
TR:136:1213
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Simulation of Waterway Transport Systems, Joseph L. Carroll and Michael S. Bronzini, TE3:Aug 71:527:8311
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TR:136:1207
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Using Experimental Models to Guide Data Gathering, Charles F. Meyer, HY10:Oct 71:1681:8449
Vehicle-roadway Interaction Studies by a Mathematical Model, Hayes E. Ross, Jr. and Don L. Ivey, Preprint No.1451, July 71
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Sinks
Unsteady Seepage Toward Sink Beneath Free Surface, Bruce W. Hunt, HY4:Apr 70:859:7202
TR:136:686

Site Investigation
Foundation Study for Materials Test Structure, Melvin C. Hironaka and Raymond J. Smith, SM6:Nov 69:1431:6921
TR:136:352
Mobile-Home Parks, David A. Alley, Ivan Orton and John L. Young, CE:Sept 71:88

Sites
Economic Location of Locks, Eric E. Bottoms, TE1:Feb 69:77:6397
Mobile-Home Parks, David A. Alley, Ivan Orton and John L. Young, CE:Sept 71:88

Site Selection
Environmental Aspects of Site Selection, Eugene F. Dudley, Preprint No.1560, Oct 71
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Site Surveys
Public Health Factors in Reactor Site Selection, J. G. Terrill, C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3
Surveying Responsibility of the Engineer-Manager, Daniel J. Watkins, SU1:May 71:1:8101

Skewness
Buckling of Simply Supported Skew Plates, Somayajulu Durvasula, EM3:June 71:967:8218

Skid Resistance
Making Highways Skid-proof, John L. Beaton, CE:Mar 71:42
Tire-Pavement Interactiono, Bob M. Gallaway, Jerry G. Rose and Jon A. Epps, Preprint No.1325, Jan 71

Skin Friction
Experimental Behavior of Downdrag in Deep Foundations, Robert M. Koerner, TN: SM2:Feb 71:515:7860
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Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71
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Earthquake-proof Design Gives Rise to First Japanese Skyscrapere, Kiyoshi Muto, CE:Mar 71:49

Lateral-Load Analysis of Asymmetric Multistory Structures, Jacob Gluck, ST2:Feb 70:317:7089
TR:136:819
Plastic Design of Coupled Frame-Shear Wall Structures, Peter F. Adams and James G. MacGregor, ST9:Sept 70:1861:7505
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71:1097:8031
What's a Tall Building?, Lynn S. Beedle and Le-Wu Lu, Preprint No.1553, Oct 71

Slab On Ground Construction
Structural Ground Concept and Wire Fabric Save Time and Money, Don Gehring, CE:Nov 71:50

Slabs
Crack Width Control in Reinforced Concrete Two-Way Slabs, Edward G. Nawy and Glenn S. Orenstein, ST3:Mar 70:701:7182
TR:136:883
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TR:136:365
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TR:136:727
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Spandrel-Slab Interaction, Mario G. Salvadori, ST1:Jan 70:89:7017
TR:136:810
Structural Behavior of Prestressed Concrete Reactor Vessels, Stanley L. Paul, ST7:July 71:1879:8249
Structural Ground Concept and Wire Fabric Save Time and Money, Don Gehring, CE:Nov 71:50

Slags
Building Damage From Expansive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, SM6:Nov 69:1325:6879
TR:136:743
Building Damage from Extensive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, PISST: pp.235-244, 1971

Slenderness Ratio
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Sliding
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Slipping
Movement of Small Gas Bubbles in Smoothly Decelerating Liquid, Subba Rao Gutti, HY7:July 71:117:8251

Slope Protection
Armor Stability of Overtopped Breakwater, Patrick T. Lording and John R. Scott, WW2:May 71:341:8138

Slopes
Effect of Unit Weight and Slope on Erosion, Richard L. Foster and L. Glen Martin, IR4:Dec 69:551:6984
TR:136:348
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Slope Stability
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TR:136:586
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TR:136:984
Coefficient of Friction of Natural Rock Surfaces, Bartlett W. Paulding, Jr., SM2:Mar 70:385:7121
TR:136:538
Development of Failure Around Excavated Slopes, Peter Dunlop and James M. Duncan, SM2:Mar 70:471:7162
TR:136:608
Field Solutions for Turbulent Seepage Flow, Alan K. Parkin, SM1:Jan 71:209:7794
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71:253:7832
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TR:136:61
Observational Data on Ground Movements Related to Slope Instability, Stanley D. Wilson, SM5:Sept 70:1519:7508
TR:136:1049
Rational Model Describing Slope Erosion, Dale L. Rowlison and Glen L. Martin, IR1:Mar 71:39:7981
Safety Analysis of Slopes, Tien H. Wu and Leland M. Kraft, Jr., SM2:Mar 70:609:7174
TR:136:865
Seepage Force on Interfacial Bed Particles, C. Samuel Martin and Mustafa M. Aral, HY7:July 71:1081:8239
Slopes in Stiff-Fissured Clays and Shales, James M. Duncan and Peter Dunlop, SM2:Mar 69:467:6449
TR:135:969
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TR:136:1039

Sludge
Character of Sludge Drying, J. Charles Jennett and Israel W. Santry, Jr., SA5:Oct 69:849:6833
TR:136:216
Treatment of Mine Drainage by Industry in Pennsylvania, Walter N. Heine and Ernest F. Giovannitti, SA3:June 70:743:7362
TR:136:964

Sludge Digestion
Drying of Sand-Digested Sludge Mixtures, Martin E. Harper and Brian W. Mar, SA2:Apr 70:381:7222
TR:136:595
Physical Behavior of Flocculent Suspensions in Upflow, James C. Brown and Enrique LaMotta, SA2:Apr 71:209:8054
Role of Activated Sludge Final Settling Tanks, Richard I. Dick, SA2:Apr 70:423:7231
TR:136:1261

Sludge Disposal
Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71:42
New Wastewater Treatment Plant Reuses Its Oil Sludge, James W. Hubbell, CE:Sept 70:81
TR:136:769
Ocean Dumping: What and Where, If at All?, Eugene E. Dallaire, CE:Nov 71:58

XUM

Sludge Drying
Character of Sludge Drying, J. Charles Jennett and Israel W. Santry, Jr., SA5:Oct 69:849:6833 TR:136:216
Drying of Sand-Digested Sludge Mixtures, Martin E. Harper and Brian W. Mar, SA2:Apr 70:381:7222 TR:136:595
New Wastewater Treatment Plant Reuses Its Oil Sludge, James W. Hubbell, CE:Sept 70:81 TR:136:769

Sluices
Regional Planning Sewerage Systems, John D. Parkhurst, CWFE:Mar 71:337

Sluices (Hydraulic Engineering)
Aswan High Dam: Rockfill Built Under Water, Taher Abu-Wafa and Aziz H. Labib, CE:Aug 71:64

Slurries
Grouting Preplaced Aggregate to Form Concrete, Albert B. Crosby, Preprint No.1523, Oct 71

Slurrying
Soils Engineering For Wells Project, Harris H. Burke, PO2:Mar 71:317:7976

Small Watersheds
Flood Frequency Estimating Techniques for Small Watersheds, George Fleming and Delbert D. Franz, HY9:Sept 71:1441:8383

Smoke Abatement
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Snow
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Volume of Snowmelt Intercepted by Logging Roads, Edward R. Burroughs, Jr., Michael A. Marsden and Harold F. Haupt, Preprint No.1326, Jan 71
Weather Modification as a Watershed Management Tool, Merlin C. Williams, IR1:Mar 69:15:6434 TR:136:758

Snowdrifts
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71

Snowfall
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, HY9:Sept 71:1427: 8386

Snow Gages
Snow Fence Shielding of Precipitation Gages, Paul A. Rechard and Lee W. Larson, Preprint No.1306, Jan 71

Snow Management
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Snowmelt
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Routing for Public Service Vehicles, David H. Marks and Robert Stricker, UP2:Dec 71:165:8573

Social Aspects
Assuring a Desirable Quality of Life, CE:Sept 71:73

Social Change
Challenges for ASCE, Samuel S. Baxter, CE:July 71: 67 TR:136:1334
Pollution, Politics and Protest, Charles L. Gould, PP1:Oct 71:23:8468
Social Considerations of Urban Transportation Systems, Robert L. Morris, TE3:Aug 70:333:7471 TR:136:1172

Social Communication
Assuring a Desirable Quality of Life, CE:Sept 71:73

Social Mobility
Evaluating the Transit System and Access to Jobs in Chicago, Martin Wachs and Joseph L. Schofer, Preprint No.1449, July 71

Social Needs
Analysis of the Need for Goods Movement Forecasts, Davit Fresko, Gordon Shunk and Franklin Spielberg, Preprint No.1490, July 71
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Planning for Clean Water in Terms of the Ecology and Social Environment, P. H. McGauhey, CWFE: Mar 71:29
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Professional Recognition - How?, James Gordon Clark, Preprint No.1557, Oct 71
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Social Organization
Assuring a Desirable Quality of Life, CE:Sept 71:73

Social Participation
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Social Reforms
ASCE and Social Issues, Oscar S. Bray, CE:May 71: 58
Dsc: Warren E. Howland, CE:Sept 71:93; Robert A. May, CE:Dec 71:42

Sociology
Social Consequences and Water Resources Planning and Development, Asit K. Biswas and Robert W. Durie, Preprint No.1343, Jan 71
Use of Sociology in Design Practice, Robert Gutman, ABS:pp.109-114, 1971

Soil Analysis
Computer Aids Draftsmen in Soil Profiles and Analysis, George Kisak and B. James Greenfield, CE:Feb 71:67
Slope Stability in Residual Soils, Don U. Deere and F. D. Patton, 4PCSM:pp.87-170, 1971

Soil Chemistry
Estimating Soil Permeability Rates, Merlin E. Horn, IR2:June 71:263:8169

Soil Classification
Standardization of Particle-Size Ranges, Charles C. Ladd, SM5:Sept 69:1247:6795
TR:136:219
Weed Control in the Arid Southwest, James W. Kirby and A. Darrell Summers, Preprint No.1315, Jan 71

Soil Classifications
Rapid Determination of Plasticity Index, Roland A. Pettitt, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59

Soil Disposal Fields
Standard Penetration Test for Sand Denseness, Harold J. Gibbs, 4PCSM:pp.27-36, 1971

Soil Dynamics
Blast Loaded Buried Arches, Jimmy P. Balsara, EM1: Feb 70:1:7058
TR:136:478
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TR:136:912

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Panel - The Computer Revolution in Soil Engineering, Lymon C. Reese, John Lysmer, John T. Christian and G. A. Reti, Preprint No.1565, Oct 71

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High Fills Resting on Residual Soils (in Spanish), Christian K. De Fries and Edgar Pardo Stolk, 4PCSM:pp.153-166, 1971

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Accuracy of Field Deformation Measurements, James P. Gould, 4PCSM:pp.313-366, 1971
Aging Effects on Swell Potential of Compacted Clays, Gabriel Kassiff and Raphael Baker, SM3: Mar 71:529:7951
The Allowable Settlement and the Design of Foundations, Fernando Emmanuel Barata, 4PCSM: pp.197-201, 1971
Analysis and Design of Tower Foundations, Richard L. Wiggins, PO1:Mar 69:77:6469
TR:13:23
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TR:136:1014
Analysis of Circular Footings on Layered Soils, Chandrakant S. Desai and Lymon C. Reese, SM4: July 70:1289:7408
An Analysis of Consolidation Theories, Robert L. Schiffman, Albert T-F Chen and Jane C. Jordan, SM1:Jan 69:285:6370
TR:136:650
Analysis of Load-Bearing Fills over Soft Subsoils, James K. Mitchell and William S. Gardner, SM11: Nov 71:1549:8522
Analysis of Sheffield Dam Failure, H. Bolton Seed, Kenneth L. Lee and Izzat M. Idriss, SM6:Nov 69: 1453:6906
TR:136:271
Analysis of Soil Movement Around a Deep Excavation, Chin-Yung Chang and James M. Duncan, SM5:Sept 70:1655:7512
Analysis of the Triaxial Test for Granular Soils, Paul R. Paslay and Jay B. Weidler, EM3:June 69:587: 6611
TR:136:1063
An Analytical Description of the Behavior of Granular Media, Jay B. Weidler and Paul R. Paslay, EM2:Apr 69:379:6491
TR:136:712
Apollo 11: Soil Mechanics Results, Nicholas C. Costes, William D. Carrier, III, James K. Mitchell and Ronald Fraser Scott, SM6:Nov 70:2045:7704
Bearing Capacity of Anisotropic Cohesive Soil, Edward H. Davis and John T. Christian, SM5:May 71:753:8146
Bearing Capacity of Eccentrically Loaded Footings, Shamsher Prakash and Swami Saran, SM1:Jan 71: 95:7814
Bearing Capacity of Footings on Anisotropic Soils, Annapareddy Siva Reddy and Ramanathan J. Srinivasan, SM6:Nov 70:1967:7677
Bearing Capacity of Foundation on Sand, Assad Abdul-Baki and Lewis A. Beik, SM2:Mar 70:545: 7158
TR:136:1267
Behavior of Dry Sands under Cyclic Loading, D. H. Timmerman and Tien H. Wu, SM4:July 69:1097: 6698
TR:136:186
Behavior of Laterally Loaded Piles: I-Single Piles, Harry G. Poulos, SM5:May 71:711:8092
Behavior of Laterally Loaded Piles: II-Pile Groups, Harry G. Poulos, SM5:May 71:733:8093
Behavior Of Porous Bed Near Flow Singularity, C. Samuel Martin, SM2:Feb 71:393:7935
Behavior of Sands Under Surface Loads, Jack R. Morgan and Charles M. Gerrard, SM12:Dec 71: 1675:8577
Behavior of Single Mineral Soils in Triaxial Shear, Robert M. Koerner, SM4:July 70:1373:7432
TR:136:1323
Bonding, Effective Stresses and Strength of Soils, Iyer S. Ramantha, Awtar Singh and Richard G. Campanella, SM5:Sept 69:1219:6786
TR:136:200
Borrego Mountain Earthquake of April 8, 1968, T. Leslie Youd and Robert O. Castle, SM4:July 70: 1201:7396
TR:136:984
Breakout Resistance of Objects Embedded in Ocean Bottom, Aleksandar Sedmak Vesic, SM9:Sept 71: 1183:8372

XUM

Bridge Foundation Behavior in Alaska Earthquake, Grant A. Ross, H. Bolton Seed and Ralph R. Migliaccio, SM4:July 69:1007:6664
TR:136:712
Buckling of Soil-Surrounded Tubes, James A. Cheney, EM4:Aug 71:1121:8297
Building Damage From Expansive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, SM6:Nov 69:1325:6879
TR:136:743
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The Business and Practice of Foundation Engineering in Venezuela, Gustavo Perez Guerra, 4PCSM: pp.379-390, 1971
Calculated and Observed Vibration Amplitudes, Peter J. Moore, SM1:Jan 71:141:7789
Causes of Clay Sensitivity, James K. Mitchell and William N. Houston, SM3:May 69:845:6568
TR:136:130
Circular Discontinuously Braced Excavation (In Spanish), Andres Perez M. Endesa, 4PCSM:pp.203-209, 1971
Coefficient of Friction of Natural Rock Surfaces, Bartlett W. Paulding, Jr., SM2:Mar 70:385:7121
TR:136:538
Collapse of Fargo Grain Elevator, Reymond L. Nordlund and Don U. Deere, SM2:Mar 70:585:7172
TR:136:847
Compaction Grouting Technique and Observations, Edward D. Graf, SM5:Sept 69:1151:6766
TR:136:91
Compared Experiences with the S.P.T. (In Spanish), C. M. Arce, F. L. Torres and H. J. Vercelli, 4PCSM:pp.95-104, 1971
Comparison of Plane Strain and Triaxial Tests on Sand, Kenneth L. Lee, SM3:May 70:901:7276
TR:136:910
Comparison of Stress-Dilatancy Theories, George J. W. King and Edward A. Dickin, SM5:Sept 70:1697:7516
Consolidation at Constant Rate of Strain, Anwar E.Z. Wissa, John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447
Consolidation of Clay and Peat with Variable Properties, Trevor J. Poskitt, SM6:June 71:841:8178
Constitutive Relations for Inelastic Granular Medium, Jay B. Weidler and Paul R. Paslay, EM4:Aug 70:395:7475
TR:136:1023
Contact Pressure of a Rigid Circular Foundation, Michael M.K. Ho and R. Lopes, SM3:May 69:791:6554
TR:136:792
Controlled Gradient Consolidation Test, John Lowe, III, Ernest Jonas and Vladimir Obrician, SM1:Jan 69:77:6327
TR:136:1
Control of Deformation Rates in Soil Testing, Roy E. Olsen, Vincent J. McDonald and James N. Sterner, TN: SM1:Jan 71:283:7787
Data Reduction from Nonlinear Response Curves, Milos Novak, EM4:Aug 71:1187:8300
Decision Theory Applied to Settlement Predictions, Joseph I. Folayan, Kaare Hoeg and Jack R. Benjamin, SM4:July 70:1127:7390
TR:136:1134
Deflections of Shallow Pier Foundations, Donald C. Slack and John N. Walker, SM4:July 70:1143:7391
TR:136:965
Deformation and Stability of Viscoelastic Soil Media, Cetin Soydemir and Werner E. Schmid, SM6:Nov 70:2081:7708
Deformation Characteristics of Sands Under Cyclic Loading, Marshall L. Silver and H. Bolton Seed, SM8:Aug 71:1081:8334
Densification and Shear of Sand During Vibration, T. Leslie Youd, SM3:May 70:863:7272
TR:136:944
Development of Failure Around Excavated Slopes, Peter Dunlop and James M. Duncan, SM2:Mar 70:471:7162
TR:136:608
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TR:136:478
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Dynamic Loadings, Elio E. D'Appolonia, SM1:Jan 70:49:7010
TR:136:429
Dynamic Moduli and Damping Ratios For Soft Clay, William D. Kovacs, H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Dynamic Prestraining of Dry Sand, Vincent P. Drnevich and Frank E. Richart, Jr., SM2:Mar 70:453:7160
TR:136:592
Dynamic Shearing Resistance of Dry Ottawa Sand, Kenan Atakol and H. Gordon Larew, SM2:Mar 70:705:7186
TR:136:902
Dynamic Strip Load On Elastic-Plastic Soil, Kaare Hoeg and H. A. Balakrishna Rao, SM2:Mar 70:429:7138
TR:136:560
Earthquake Design Formula Considering Local Soil Conditions, Semih S. Tezcan, ST9:Sept 71:2383:8399
Effect of Mica on K_0 Compressibility of Two Soils, Charles A. Moore, SM9:Sept 71:1275:8401
Effect of Particle Characteristics on Soil Strength, Robert M. Koerner, SM4:July 70:1221:7393
TR:136:1317
Effect of Strain History on Liquefaction of Sand, W. D. Liam Finn, Peter L. Bransby and Dennison J. Pickering, SM6:Nov 70:1917:7670
Effects of Foundation Construction on Nearby Structures, David J. D'Appolonia, 4PCSM:pp.189-236, 1971
Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, SM6:Nov 69:1365:6882
TR:136:233
Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, PISST:pp.393-406, 1971
Elastic Analysis for Behavior of Rockfill, Neville O. Boughton, SM5:Sept 70:1715:7532
TR:136:1042
Elastic Behavior of Sand, Mohamed A. El-Sohby, SM6:Nov 69:1393:6916
TR:136:320
Electric Penetrometer For Site Investigations, Jacobus de Ruiter, SM2:Feb 71:457:7907
Empirical Damping Constants for Sands and Clays, Harry M. Coyle and Gary C. Gibson, SM3:May 70:949:7296
TR:136:1275
Engineering Behavior and Structure of Compacted Clay, Laing Barden and Geoffrey R. Sides, SM4: July 70:1171:7397
Engineering Properties of Mine Tailings, Howard C. Pettibone and C. Dan Kealy, SM9:Sept 71:1207:8382
Engineering Properties of Submarine Soils: State-of-the Art Review, Iraj Noorany and Stanley F. Gizienski, SM5:Sept 70:1735:7536
Estimation of Climatic Parameters for Frost Depth Prediction, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:605:6872
TR:136:190
Estimation of Pavement Surface Freezing Indices, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:587:6871
TR:136:150
Euler Beams on a Two Parameter Foundation Model, Milton E. Harr, John L. Davidson, Da-Min Ho, Luis E. Pombo, S. V. Ramaswamy and John C. Rosner, SM4:July 69:933:6651
TR:136:816

Evaluation of Pore Pressures Beneath and Embankment, David J. D'Appolonia, T. William Lambe and Harry G. Poulos, SM6:June 71:881: 8213
Field Solutions for Turbulent Seepage Flow, Alan K. Parkin, SM1:Jan 71:209:7794
Field Studies of Response of Peat to Plate Loading, J. B. Forrest and I. C. MacFarlane, SM4:July 69: 949:6652
TR:136:146
Financial Tools for a Geotechnical Consulting Firm, Roy T. Sheehey, 4PCSM:pp.345-353, 1971
Finite Dynamic Model for Infinite Media, John Lysmer and Roger L. Kuhlemeyer, EM4:Aug 69: 859:6719
TR:136:192
Finite Element Analyses of Port Allen Lock, James M. Duncan and Gerald W. Clough, SM8:Aug 71: 1053:8317
Finite Element Analyses of Retaining Wall Behavior, Gerald W. Clough and James M. Duncan, SM12: Dec 71:1657:8583
Finite-Element Analysis of Seepage in Elastic Media, Ranbir S. Sandhu and Edward L. Wilson, EM3: June 69:641:6615
TR:136:770
Flow of Air Through Soils, Geoffrey E. Blight, SM4: Apr 71:607:8026
Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
Foundation Compliance Effects on Earthquake Response Spectra, Alberto Castellani, SM4:July 70: 1335:7425
TR:136:1029
Foundation Precompression With Vertical Sand Drains, Stanley J. Johnson, SM1:Jan 70:145:7019
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Foundation Study for Materials Test Structure, Melvin C. Hironaka and Raymond J. Smith, SM6: Nov 69:1431:6921
TR:136:352
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TR:136:778
Heave and Lateral Movements Due to Pile Driving, Donald J. Hagerty and Ralph B. Peck, SM11:Nov 71:1513:8497
High Fills Resting on Residual Soils (in Spanish), Christian K. De Fries and Edgar Pardo Stolk, 4PCSM:pp.153-166, 1971
Hydraulic Fills to Support Structural Loads, Robert V. Whitman, SM1:Jan 70:23:7009
TR:136:519
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Impulsive Load Stiffness of Flexible Pavements, Nelson M. Isada, SM2:Mar 70:639:7176
TR:136:856
Incinerator-Residue-Fill Site Investigation, Robert J. Schoenberger, SM10:Oct 71:1431:8451
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Influence of Soil Conditions on Building Damage Potential During Earthquakes, H. Bolton Seed and Izzat M. Idriss, ST2:Feb 71:639:7909
Initial Settlement of Structures on Clay, David J. D'Appolonia, Harry G. Poulos and Charles C. Ladd, SM10:Oct 71:1359:8438
In-Place Ocean Soil Strength By Accelerometer, Ronald Fraser Scott, SM1:Jan 70:199:7013
TR:136:768
In-place Treatment of Foundation Soils, James K. Mitchell, SM1:Jan 70:73:7035
TR:136:488
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In-Situ Investigation Using SH-Waves, Marcis Kurzeme, SM2:Feb 71:341:7918
In Situ Strength of Rolled and Hydraulic Fill, Geoffrey E. Blight, SM3:May 70:851:7273
TR:136:1300
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71: 253:7832
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Khazzan Dubai No. 1: Pile Design and Installation, James A. Wees and Robert S. Chamberlin, SM10: Oct 71:1415:8439
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Landslides in Weathered Volcanics in Puerto Rico, George F. Sowers, 4PCSM:pp.105-115, 1971
Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Lateral Load Tests on Piles-Arkansas River Project, M. Alizadeh and Melvin T. Davisson, SM5:Sept 70:1583:7510
Limit Analysis of Plane Problems in Soil Mechanics, John Lysmer, SM4:July 70:1311:7416
TR:136:1005
Limit Analysis Of Stability Of Slopes, Wai F. Chen and M. W. Giger, SM1:Jan 71:19:7828
Liquid Limit Values by Soil Moisture Tension, Eugene R. Russell and L. Jack Mickle, SM3:May 70:967:7298
TR:136:1222
Load Transfer in Earth and Rockfill Dams, L. Radley Squier, SM1:Jan 70:213:7004
TR:136:414
Long-term Pressures Effects on Shear Modulus of Soils, Sherif S. Afifi, SM10:Oct 71:1445:8475
Low Velocity Projectile Penetration, Wen L. Wang, SM12:Dec 71:1635:8592
Material Model for Granular Soils, Frank L. DiMaggio and Ivan S. Sandler, EM3:June 71:935: 8212
Measured Performance of Braced Excavation, T. William Lambe, L. Anthony Wolfskill and Ing H. Wong, SM3:May 70:817:7307
TR:136:950
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Mechanisms Controlling Compressibility of Clays, Roy E. Olson and Gholamreza Mesri, SM6:Nov 70:1863:7649
Method for Predicting Initial Settlement, David J. D'Appolonia and T. William Lambe, SM2:Mar 70: 523:7167
TR:136:808
Mine Grouting to Control Building Settlement, Charles I. Mansur and Marion C. Skouby, SM2: Mar 70:511:7166
TR:136:617
Mine Subsidence and Support Methods in Pittsburgh Area, Richard E. Gray and James F. Meyers, SM4: July 70:1267:7407
TR:136:992
Mixing-in-Place Soil and Portland Cement, James L. Sherard, SM6:Nov 69:1357:6909
TR:136:305
Model for Machine-pile Foundation-soil System, M. R. Madhav and N. S.V. Kameswara Rao, TN: SM1: Jan 71:295:7787
Model Study of Laterally Loaded Piles, Melvin T. Davisson and James R. Salley, SM5:Sept 70:1605: 7511
Mohr-Coulomb Strength Theory for Anisotropic Soils, Wallace H. Baker and Raymond J. Krizek, SM1:Jan 70:269:7015
TR:136:442
Nomograph for Bearing Capacity, J. Neil Kay, TN: SM1:Jan 71:301:7787
Nonlinear Analysis of Stress and Strain in Soils, James M. Duncan and Chin-Yung Chang, SM5: Sept 70:1629:7513

XUM

Nonlinear Analysis Using Spline Functions, Chandrakant S. Desai, SM10:Oct 71:1461:8462
Nonlinear Parameters of Vibrating Foundations, O.M. Christof Ehrler, SM6:Nov 68:1199:6208
TR:136:640
Observational Data on Ground Movements Related to Slope Instability, Stanley D. Wilson, SM5:Sept 70:1519:7508
TR:136:1049
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Performance of Four Foundations on End Bearing Piles, David J. D'Appolonia and T. William Lambe, SM1:Jan 71:77:7807
Phreatic Surface Location after Drawdown, Arthur H. Dvinoff and Milton E. Harr, SM1:Jan 71:47:7806
Pile Tests-Arkansas River Project, Charles I. Mansur and Alfred H. Hunter, SM5:Sept 70:1545:7509
Plane Strain Consolidation by Finite Elements, John T. Christian and Jan Willem Boehmer, SM4:July 70:1435:7437
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Precompression for Improving Foundation Soils, Stanley J. Johnson, SM1:Jan 70:111:7020
TR:136:578
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Predicted Performance of a Braced Excavation, Hugh Q. Golder, James P. Gould, T. William Lambe, Gregory P. Tschebotarioff and Stanley D. Wilson, SM3:May 70:801:7292
TR:136:928
Predicting Effective Stress Paths, James P. Olson and Harvey E. Wahls, TN: SM8:Aug 71:1139:8307
Prediction of Footing Vibrations, Milos Novak, SM3: May 70:837:7268
TR:136:923
Preloading for Heavy Industrial Installations, Panaghiotis C. Kotzias and Aris C. Stamatopoulos, SM6:Nov 69:1335:6902
TR:136:253
Properties of Compacted Sewage Ash, Donald H. Gray, SM2:Mar 70:439:7149
TR:136:587
Property Interrelationships in Sensitive Clays, William N. Houston and James K. Mitchell, SM4: July 69:1037:6666
TR:136:166
Random Walk Model of Ideal Granular Mass, Edward Hamilton Fletcher, SM10:Oct 71:1379:8444
Rapid Determination of Plasticity Index, Roland A. Pettitt, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59
Recent Developments in Grouting for Deep Mines, Alfred C. Ackenheil and Murray T. Dougherty, SM1:Jan 70:251:7042
TR:136:525
Reclaimed Land in Kawasaki City, Japan, T. William Lambe, SM5:Sept 69:1181:6780
TR:136:106
Recoverable Deformation Of Cohesionless Soils, Max D. Coon and Roger J. Evans, S&M2:Feb 71:375:7911
Relative Density and Relative Compaction, Kenneth L. Lee and Awtar Singh, TN: SM7:July 71:1049:8264
Remote Measurement of Radial Deformations, John H. Dudley, TN: SM6:June 71:965:8162
Response of Buried Cylinders Encased in Foam, Carl J. Costantino and Eban Vey, SM5:Sept 69:1159:6769
TR:136:1104
Response of Nonuniform Soil Deposits to Traveling Seismic Waves, Houshang Dezfulian and H. Bolton Seed, SM1:Jan 71:27:7808
Responses of Earth Dams to Traveling Seismic Waves, Mostafa Dibaj and Joseph Penzien, SM2: Mar 69:541:6453
TR:136:691
Review of Collapsing Soils, John H. Dudley, SM3: May 70:925:7278
TR:136:1305
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Road Responses to Vibration Tests, Michael E. Szendrei and Charles R. Freeme, SM6:Nov 70: 2099:7709
TR:136:1289
Safety Analysis of Slopes, Tien H. Wu and Leland M. Kraft, Jr., SM2:Mar 70:609:7174
TR:136:865
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Seepage Characteristics of Imperfect Cutoffs, Francis G. McLean and Raymond J. Krizek, TN: SM1:Jan 71:305:7787
Seismic Response of Soil Deposits, Izzat M. Idriss and H. Bolton Seed, SM2:Mar 70:631:7175
TR:136:840
Seismic Response of Soil Deposits Underlain by Sloping Rock Boundaries, Houshang Dezfulian and H. Bolton Seed, SM6:Nov 70:1893:7659
TR:136:1330
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TR:136:1212
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TR:136:113
Settlement of Buildings Constructed in Hackensack Meadows, Herbert L. Lobdell, SM4:July 70:1235: 7398
TR:136:1070
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Soil Indentation by Translating Flanged Plate, Jack L. Dais, EM4:Aug 71:1057:8285
Soil Vertical Stress Influence Charts for Rectangles, Alfreds R. Jumikis, TN: SM2:Feb 71:521:7860
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Stiffened Mats on Expansive Clay, Robert L. Lytton and Kirby T. Meyer, SM7:July 71:999:8265
Strain Conditions in Compression Cylinder, William M. Kirkpatrick and J. Scott Younger, SM5:Sept 70: 1683:7504 TR:136:1118
Strength of a Model of Jointed Rock, Edwin T. Brown and D. Hugh Trollope, SM2:Mar 70:685: 7185 TR:136:882
Strength of Anisotropically Consolidated Compacted Clay, Kenneth L. Lee and Ross A. Morrison, SM6: Nov 70:2025:7703
Strength of Models of Rock with Intermittent Joints, Edwin T. Brown, SM6:Nov 70:1935:7697 TR:136:1280
Stress Analysis of Contractive or Dilative Soil, Ian M. Smith and Stephen Kay, SM7:July 71:981:8263
Stresses Under Linearly Loaded Rectangular Area, Jean-Pierre Giroud, SM1:Jan 70:263:7040 TR:136:505
Structural Ground Concept and Wire Fabric Save Time and Money, Don Gehring, CE:Nov 71:50
Structures In Soil Under High Loads, Jay R. Allgood, SM3:Mar 71:565:8006
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Technique for Study of Granular Materials, Stephen J. Windisch and Michel Soulie, SM4:July 70:1113: 7389 TR:136:1310
Test Procedures for Measuring Soil Liquefaction Characteristics, H. Bolton Seed and William H. Peacock, SM8:Aug 71:1099:8330
Tests on Cohesionless Materials for Rockfill Dams, Emanuele Fumagalli, SM1:Jan 69:313:6353 TR:136:26
Tests on Instrumented Piles, Ogeechee River Site, Aleksandar Sedmak Vesic, SM2:Mar 70:561:7170 TR:136:825
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Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Torsional Vibrations of Circular Foundations, Gerd F. Weissmann, SM9:Sept 71:1293:8402
Unconfined Transient Seepage in Sloping Banks, Chandrakant S. Desai and Walter C. Sherman, Jr., SM2:Feb 71:357:7915
Undrained Strength of Anisotropically Consolidated Sand, Kenneth L. Lee and H. Bolton Seed, SM2: Mar 70:411:7136 TR:136:786
Undrained Strength of Compacted Clay, Kenneth L. Lee and Robert J. Shubeck, SM1:Jan 71:219:7833
Utilization of Marginal Lands for Urban Development, Philip C. Rutledge, SM1:Jan 70:1: 7000 TR:136:397
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Soil Moisture

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Model for Machine-pile Foundation-soil System, M. R. Madhav and N. S.V. Kameswara Rao, TN: SM1: Jan 71:295:7787
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TR:139:1274
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TR:136:1266
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TR:136:796

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TR:136:1328

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TR:136:797

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De Saint-Venant Equations Experimentally Verified, Willem F. Brutsaert, HY9:Sept 71:1387:8378

Specifications
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TR:136:97
Better Specifications for Underground Work, J. Donovan Jacobs, CE:June 71:47
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Gravity and Surface-Load Stresses in Spheres, August J. Durelli, Vincent J. Parks and Luis Ferrer, EM4:Aug 70:407:7481
TR:136:1010
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TR:136:706

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Nonsymmetric Modes of Complete Spherical Shells, John F. Gormley and William C. L. Hu, EM3:June 69:545:6606
TR:136:632
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Churchill Falls Power Facilities, D. Wermenlinger, J. G.S. Thompson and J. M. Gardiner, PO2:Mar 71: 515:7974
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TR:136:1245
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TR:136:368
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TR:136:1061

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Simulation of Wind Effects on Sprinkler Performance, Stephen V. Allison and Victor L. Hesse, IR4:Dec 69:537:6978
TR:136:1207
Water Distribution with Traveling Gun Sprinklers, Richard E. Hanson, Preprint No.1321, Jan 71

Sprinklers
Water Distribution with Traveling Gun Sprinklers, Richard E. Hanson, Preprint No.1321, Jan 71

Sprinkling
Water Distribution with Traveling Gun Sprinklers, Richard E. Hanson, Preprint No.1321, Jan 71

Stability
Aeroelastic Instability of Prisms in Turbulent Flow, Milos Novak and Alan G. Davenport, EM1:Feb 70: 17:7076
TR:136:495
Analysis of the Triaxial Test for Granular Soils, Paul R. Paslay and Jay B. Weidler, EM3:June 69:587: 6611
TR:136:1063
Asymptotic Stability Analysis of Viscoelastic Systems, Rong-Chung Shieh, EM2:Apr 71:193:8035
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Bounding of Frame Buckling Loads, Alfred Korn, ST8:Aug 70:1639:7452
Buckling and Post-Buckling of Spherical Caps, Nuri Akkas and Nelson R. Bauld, Jr., EM3:June 71:727: 8189
Buckling of Axially Loaded Cylindrical Panels, Pan San Hsueh and Alexander Chajes, EM3:June 71: 919:8210
Buckling of Multilayer Plates by Finite Elements, Harry R. Lundgren and Ahmed E. Salama, EM2: Apr 71:477:8051
Buckling of Polar Orthotropic Annular Plates, K. Vijayakumar and C. V. Joga Rao, EM3:June 71: 701:8171
Buckling of Simply Supported Folded Plates, Michel L. Mikhail and Sidney A. Guralnick, EM5:Oct 71: 1363:8414
Column Instability Under Weight and Follower Loads, David J. McGill, EM3:June 71:629:8196
Deformations of Geometrically Imperfect Beams, Nicholas S. Trahair, ST7:July 69:1475:6682
TR:136:179
Design and Analysis of Frames for Stability, Harold Switzky and Ping Chun Wang, ST4:Apr 69:695: 6522
TR:136:709
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
Effect of Weight on Large Deflections of Arches, J. Stewart Kennedy and Anand S. Aggarwal, EM3: June 71:637:8165
Elastic Lateral Buckling of Stepped I-Beams, Nicholas S. Trahair and Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Elastic Stability of Continuous Beams, Nicholas S. Trahair, ST6:June 69:1295:6632
TR:136:138
Experimental Study of Flexural-Torsional Buckling, Alois J. Hartmann, ST7:July 70:1481:7414
TR:136:1325

Face Wrinkling of Sandwich Plates and Cylinders, Yau-Cheung Wong and Peter G. Hoadley, EM4: Aug 71:1071:8281
Further Studies of Inelastic Beam-Column Problem, Wai F. Chen, ST2:Feb 71:529:7922
General Solution of Inelastic Beam-Column Problem, Wai F. Chen, EM4:Aug 70:421:7482
TR:136:957
Geometrically Nonlinear Finite-Element Analysis, Carlos Brebbia and Jerome J. Connor, EM2:Apr 69: 463:6516
TR:136:731
Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973
Improving Approximate Eigenvalues and Eigenvectors, Arthur R. Robinson and John F. Harris, EM2:Apr 71:457:8047
Inelastic Analysis of Multistory Multibay Frames, Ronald J. Alvarez and Charles Birnstiel, ST11:Nov 69:2477:6922
TR:136:375
Inelastic Buckling of Axisymmetric Shells, James C. Hayes and Lawrence H.N. Lee, EM6:Dec 70:1107: 7765
Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71: 773:8198
Inelastic Flange Buckling of Curved Plate Girders, Charles G. Culver and Ghulam Nasir, ST4:Apr 71: 1239:8072
Inelastic Flexural-Torsional Buckling, Alois J. Hartmann, EM4:Aug 71:1103:8294
The Influence of Breaker Type on Riprap Stability, John P. Ahrens, 12CEC:pp.1557-1566, 1971
In-Plane Bending and Buckling of Arches, Walter J. Austin, ST5:May 71:1575:8130
Load Carrying Capacity of Simple Composite Columns, J. W. Roderick and D. F. Rogers, ST2: Feb 69:209:6412
TR:136:690
Local Instability of Horizontally Curved Members, Charles G. Culver and Ralph E. Frampton, ST2: Feb 70:245:7079
TR:136:553
Minimum Weight Design with Stability Constraint, Mehdi S. Zarghamee, ST8:Aug 70:1697:7486
TR:136:1268
Numerical Method for Elastic Stability Problems, Chiyyarath V. Girijavallabhan, ST11:Nov 71:2691: 8530
A Numerical Technique for Elastica Problems, John V. Huddleston, EM5:Oct 68:1159:6182
TR:136:654
Observational Data on Ground Movements Related to Slope Instability, Stanley D. Wilson, SM5:Sept 70:1519:7508
TR:136:1049
Plastic Buckling Of Point-Loaded Spherical Shells, Stephan S-K Wang and Sanford B. Roberts, EM1: Feb 71:77:7930
Plastic Design of Coupled Frame-Shear Wall Structures, Peter F. Adams and James G. MacGregor, ST9:Sept 70:1861:7505
Reinforced Earth Steel Retaining Walls Used on High Steep Side Slopes in France, Henri Vidal, CE: Feb 70:72
TR:136:198
Rock Stabilization at Morrow Point Power Plant, Gilbert L. Brown, Ernest D. Morgan and Jerry S. Dodd, SM1:Jan 71:119:7820
Rotation Capacity of Beams Under Moment Gradient, A. F. Lukey and Peter F. Adams, ST6: June 69:1173:6599
TR:136:119
Scale and Boundary Effects in Foundation Analysis, James Graham and John Gordon Stuart, SM11:Nov 71:1533:8510
Seepage Effect on Channel Bank Stability, Philip H. Burgi and Susumu Karaki, IR1:Mar 71:59:7968
Self-Stabilizing Tendencies of Alluvial Channels, Johannes Gessler, WW2:May 70:235:7263
TR:136:1307
Sill-Controlled Flow Transitions and Extent of Erosion, Walter Rand, HY4:Apr 70:927:7212
TR:136:722
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Stability Criteria for Open-Channel Flow, Themistocles A. Dracos and Bard Glenne, HY6: Nov 67:79:5566
TR:136:8
Stability Criteria for Shallow Arches, James F. Dickie and Peter Broughton, EM3:June 71:951:8217
Stability of Cellular Cofferdams Against Vertical Shear, Melvin I. Esrig, SM6:Nov 70:1853:7654
Stability of Clay Interbeds - Columbia River Valley, Roy A. Anderson and Robert L. Schuster, Preprint No.1478, July 71
Stability of Hyperboloidal Cooling Tower, Henry L. Langhaar, Arthur P. Boresi, Robert E. Miller and Jerry J. Bruegging, EM5:Oct 70:753:7635
Stability of Oscillations in Simple Surge Tank, Eugen Ruus, HY5:Sept 69:1577:6773
TR:136:213
Stability of Shells by Parametric Differentiation, S. K. Radhamohan, Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216
Stability of Structures on Permeable Foundations, Satya P. Garg and A. S. Chawla, HY4:July 69: 1095:6648
TR:136:123
Stability of Water Cooled Columns, Atle Gjelsvik, EM4:Aug 71:1205:8335
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593: 8143
Surge Tank Stability By Phase Plane Method, Mohammad Hanif Chaudhry and Eugen Ruus, HY4:Apr 71:489:8044
Theories of Closure of Rockfill Dams, John A. Sandover, CO2:Nov 71:313:8542
Torsionally Stiff Columns under Eccentric Loads, Donald R. Sherman and Donald E. Lukas, ST2:Feb 70:335:7090
TR:136:577
Variation in Vehicle Handling Characteristics Due to Driver Response Under Wind-Gust Loading, J. Mahig, Preprint No.1425, July 71

Stability Analysis

Seismic Response of Soil Deposits Underlain by Sloping Rock Boundaries, Houshang Dezfulian and H. Bolton Seed, SM6:Nov 70:1893:7659
TR:136:1330
Stability of Rock Slopes-Graphical Methods, Pierre Londe, Gaston Vigier and Raymond Vormeringer, SM4:July 70:1411:7435
TR:136:1039

Stabilization

Disinfection of Algal Laden Waters, Wayne F. Echelberger, Jr., SA5:Oct 71:721:8472
Enteric and Pathogenic Bacteria Dieoff Effects by Algae, E. M. Davis, M. Pen and Earnest F. Gloyna, NSCD:pp.539-561, 1971
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Stadiums

Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, George J. Mim Mack and Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76
Reticulated Space Structures, James O. Crooker and Kenneth P. Buchert, ST3:Mar 70:687:7180
TR:136:854

Standards

Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Hurricane Exposes Structural Flaws, Herbert S. Saffir, CE:Feb 71:54
Introduction to Section I: Problem Definition, Daniel Brand, UT1:pp.1-2, 1971

XUM

Planning's Role in Standards for Future Highways, Ralph D. Brown, Jr., TE2:May 71:227:8129
Practical Applications of Codes in Construction of Pipelines, David R. Williams, Jr., TE4:Nov 70:471:7657
TR:136:1256
Rationale of Standards for Use of Reclaimed Water, Herbert B. Foster, Jr. and William F. Jopling, SA3:June 69:503:6609
TR:136:767
Regional Water Quality Standards, Ralph Porges, SA3:June 69:423:6596
TR:136:78
Septic Tank Systems, Joseph A. Cotteral, Jr. and Dan P. Norris, SA4:Aug 69:715:6735
TR:136:174
Will Air Pollution Regulations Change Commuting Patterns?, William D. Ruckelshaus, CE:Sept 71:86

Standing Waves
Limiting Condition for Standing Wave Theories by Perturbation Method, Yoshito Tsuchiya and Masataka Yamaguchi, 12CEC:pp.523-542, 1971
Pressures of Standing Waves on Vertical Wall, Shoshichiro Nagai, WW1:Feb 69:53:6408
TR:136:34
Seiches and Other Causes of the Motion of Ships Already Moored, Basil W. Wilson, BMS:pp.1-19, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, John T. O'Brien, BMS:pp.20-26, 1971

Starting
Water Plant Start-Up and Operation, Bruce E. Regadanz, Preprint No.1351, Jan 71

Startup Costs
Water Plant Start-Up and Operation, Bruce E. Regadanz, Preprint No.1351, Jan 71

State Government
Statewide Management -- What Does the Future Hold?, Frank A. Butrico and James B. Coulter, CWFE:Mar 71:93

State Jurisdiction
Statewide Water Quality Control Management, Kerry W. Mulligan, CWFE:Mar 71:105

Static Loads
Bolted Joints Under Sustained Loading, Verl Lobb and Floyd Stoller, ST3:Mar 71:905:7996

Static Pile Formula
Problems in Design and Installation of Offshore Piles, Bramlette McClelland, John A. Focht, Jr. and William J. Emrich, SM6:Nov 69:1491:6913
TR:136:734

Static Pressure
Study of Pipe with Concrete Bedding-Part II, Harvey C. Olander and Gordon G. Robertson, TE1:Feb 70:25:7087
TR:136:324

Static Tests
Electric Penetrometer For Site Investigations, Jacobus de Ruiter, SM2:Feb 71:457:7907
Static Cone to Compute Static Settlement Over Sand, James K. Mitchell, SM3:May 70:1011:7302

Statistical Analysis
Analysis of Hurricane Tides at Padre Island, Texas, Frank D. Masch, Robert J. Brandes, Floyd R. Hill and William A. White, 12CEC:pp.2031-2050, 1971
Analysis of Water Temperature Variations in Large River, Veerasamy Kothandaraman, SA1:Feb 71:19:7908
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Characterization of Time-Varying Organic Loads, Alfred T. Wallace and Donald M. Zollman, SA3:June 71:257:8167
Cost of Residential Solid Waste Collection, Robert M. Clark, B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Decision Criteria for Using Stochastic Hydrology, George K. Young, Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209
TR:136:1035
Decision Theory Applied to Settlement Predictions, Joseph I. Folayan, Kaare Hoeg and Jack R. Benjamin, SM4:July 70:1127:7390
TR:136:1134
Depth-Integrating and Dip Samplers, Walter G. Knisel and Ralph W. Baird, HY2:Feb 70:497:7084
TR:136:569
Dynamics of Correlated Random Pulse Trains, Shih-Chi Liu, EM4:Aug 70:455:7490
TR:136:979
Earthwork Quantities by Random Sampling, Marvin Gates and Amerigo Scarpa, CO1:July 69:65:6681
TR:136:359
Evaluation of Barometric Leveling, James D. Gruendler, James L. Clapp and Paul R. Wolf, SU1:Apr 70:1:7195
TR:136:702
Friction Factors and Bed Forms in Fluvial Channels, David Squarer, HY4:Apr 70:995:7245
TR:136:726
Grouping Algorithms for Statewide Loadmeter Surveys, Shiva K. Pant and Frederick J. Wegmann, TE3:Aug 71:421:8288
Hourly Rainfall Synthesis for a Network, Delbert D. Franz, HY9:Sept 71:1349:8375
Impact from Railway Loading on Steel Girder Spans, William G Byers, ST6:June 70:1093:7341
TR:136:932
Monte Carlo Study of Seismic Structural Safety, Paul H. Wirsching and James T. P. Yao, ST5:May 71:1497:8118
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
Peak Flood Discharge Confidence Limits, Richard M. Shane and Walter R. Lynn, HY1:Jan 69:161:6329
TR:136:641
Probabilistic Response Analyses to Earthquakes, R. Narayana Iyengar and Kashi T. Sundara Raja Iyengar, EM3:June 70:207:7321
Probability Distribution of Annual Droughts, Eratakulan S. Joseph, IR4:Dec 70:461:7727
Probability Distributions for Hurricane Effects, Larry R. Russell, WW1:Feb 71:139:7886
Problems Associated with Planning BOD Experiments, Paul M. Berthouex and William G. Hunter, SA3:June 71:333:8202
Random Processes for Earthquake Simulation, Roy Levy, Frank Kozin and Robert B.B. Moorman, EM2:Apr 71:495:8057
Relaxation Tests on Alloy Steel Bars, Murray A. Muspratt, ST5:May 71:1533:8128
Reliability Analysis of Frame Structures, John D. Stevenson and Fred Moses, ST11:Nov 70:2409:7692
Reliability Optimization in Isostatic Structures, Emilio Rosenblueth and Enrique Mendoza, EM6:Dec 71:1625:8584
Risk Evaluations for Offshore Structures, Peter W. Marshall, ST12:Dec 69:2907:6981
TR:136:480
Runoff Forecasting By Variable Transformation, Mikio Hino, HY4:Apr 70:871:7203
TR:136:676
Runoff Forecasts by Linear Predictive Filter, Mikio Hino, HY3:Mar 70:681:7146
TR:136:655
Sample Weights in Solid Waste Composition Studies, Albert J. Klee and Dennis Carruth, SA4:Aug 70:945:7469

Simulation Model for Flow Augmentation Costs, Armando I. Perez, John C. Schaake, Jr. and Edwin E. Pyatt, HY1:Jan 70:131:7026
TR:136:429
Spectral Computations on Pressure Wave Gauge Records, Manuel Mendes de Carvalho, Fernando Silveira Ramos and Carlos de Campos Moraes, 12CEC:pp.65-83, 1971
Statistical Experimental Design: BOD Tests, Paul M. Berthouex and William G. Hunter, SA4:Aug 71: 393:8286
Statistical Methods in Structural Fatigue, Paul H. Wirsching and James T. P. Yao, ST6:June 70:1201: 7377
TR:136:966
Statistical Prediction of Hurricane Storm Surge, Cheng Y. Yang, A. M. Parisi and William S. Gaither, 12CEC:pp.2011-2030, 1971
Statistical Theory in Materials Sampling, Norman J. Cohen, CO1:Mar 71:95:8005
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063

Statistical Data
World's Highest and Largest Dams, T. W. Mermel, CE:July 70:73
TR:136:583

Statistical Decision Theory
Safety Analysis of Slopes, Tien H. Wu and Leland M. Kraft, Jr., SM2:Mar 70:609:7174
TR:136:865

Statistics
Statistical Experimental Design: BOD Tests, Paul M. Berthouex and William G. Hunter, SA4:Aug 71: 393:8286
Stochastic Model For Sand Dispersion, Chih Ted Yang and William W. Sayre, HY2:Feb 71:265:7892

Steady Flow
Flow Around Inclined Sheet Pile, Annapareddy Siva Reddy, G. C. Mishra and Kaveti Seetharamiah, HY7:July 71:1101:8248

Steady State
Steady Flow Past Flat Plate in Channel, Thomas L. Shaw, HY6:Nov 69:2013:6903
TR:136:306

Steam Engines
California Steam Bus Project: A Midterm Review, Roy A. Renner, Preprint No.1444, July 71

Steamships
Effect of Technological Advances on the Steamship Industry, Anthony J. Tozzoli, Preprint No.1517, July 71

Steel
Allowable Bending Stress Design Aid, Allen J. Hulshizer, CE:Feb 70:63
TR:136:97
Cyclic Yield Reversal in Steel Building Joints, Egor P. Popov and Bruce R. Pinkney, ST3:Mar 69:327: 6441
TR:136:39
Structural Ground Concept and Wire Fabric Save Time and Money, Don Gehring, CE:Nov 71:50

Steel Constituents
Flexural Members with Confined Concrete, Dudley Charles Kent and Robert Park, ST7:July 71:1969: 8243

Steel Construction
Cellular Steel Floors Mature, Eugene E. Dallaire, CE:July 71:70
Finite Element Analysis of Hyperbolic Paraboloid Shells, Semih S. Tezcan, Krishna M. Agrawal and George Kostro, ST1:Jan 71:407:7847
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, J. E. Hinkel, Preprint No.1418, Apr 71
Shell-Like Structures, Kenneth P. Buchert, Preprint No.1287, Jan 71

Steel Linings
Design of Steel Liners in Concrete Containments, Chen Pang Tan and King Yuen Chu, Preprint No.1376, Apr 71

Steel Piles
Corrosion Test of Steel Piling in Sea Water, Laverne L. Watkins, WW3:Aug 71:549:8292
Khazzan Dubai No. 1: Pile Design and Installation, James A. Wees and Robert S. Chamberlin, SM10: Oct 71:1415:8439
Undersea Oil Storage Tank, Robert S. Chamberlin, CE:Aug 70:57
Dsc: F. Hatfield, CE:Nov 70:65
TR:136:634

Steel Pipes
Cement Mortar Lining of 20-foot Steel Pipe, James E. Wolfe, Preprint No.1562, Oct 71

Steels
Analysis of Thin Steel Hyperbolic Paraboloid Shells, P. V. Banavalkar and Peter Gergely, Preprint No.1320, Jan 71
Axial Load Design for Concrete Filled Steel Tubes, Robert B. Knowles and Robert Park, ST10:Oct 70: 2125:7597
Connections in Thin Low-ductility Steels, Asfandiar K. Dhalla, Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442
Criteria for the Design of Steel Sandwich Panels, T. C. McCavour, Preprint No.1407, Apr 71
Factors Affecting Durability of Ferrous Metals in the Atmosphere, Francis L. LaQue, ST11:Nov 69:2385: 6890
TR:136:344
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997
Fatigue Strength of Hybrid Plate Girders, A. Anthony Toprac and Murugesam Natarajan, ST4: Apr 71:1203:8069
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238
Guide for Design of Steel Transmission Towers, Manual 52, Prepared by the Task Committee on Tower Design of the Committee on Analysis and Design of Structures, Joseph R. Arena, Chmn., 1971. 47 pp.
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Impact of Spheres on Ice, Yin-Chao Yen, Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
Mini Automobile-shredding Plant for Western Michigan, Charles E. Haltenhoff, CE:Apr 71:55
Minimum Weight Design of Light Gage Steel Members, Paul A. Seaburg and Charles G. Salmon, ST1:Jan 71:203:7830
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Plastic Design of Coupled Frame-Shear Wall Structures, Peter F. Adams and James G. MacGregor, ST9:Sept 70:1861:7505
Recorded Stress Histories in Railroad Bridges, Freeman P. Drew, ST12:Dec 68:2713:6288
TR:136:776
Steel Highway Accessory Structures, Don S. Wolford, ST7:July 71:1991:8255
Strength of Steel Columns with Biaxially Eccentric Load, Satya S. Sharma and Edwin H. Gaylord, ST12:Dec 69:2797:6960
TR:136:457
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71: 1097:8031

XUM

Steel Structures
Composite Beam Incorporating Cellular Steel Decking, Hugh Robinson, ST3:Mar 69:355:6447
TR:136:823
Cost Optimization of Structural Roof System, Samuel L. Lipson and Alan D. Russell, ST8:Aug 71:2057:8291
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Local Buckling of Tubular Steel Poles in Bending, Robert A. Fiss, Preprint No.1568, Oct 71
Local Plastic Buckling of A514 Steel Members, John F. McDermott, ST9:Sept 69:1837:6761
TR:136:204
Newport Suspension Bridge, Alfred Hedefine and Louis G. Silano, CE:Aug 70:64
Dsc: Juhani Virola, CE:Jan 71:59
TR:136:670
Plastic Bending of A514 Steel Beams, John F. McDermott, ST9:Sept 69:1851:6762
TR:136:212
Rational Design of Light Gage Beams, Jeffrey L. Bluestein and Atle Gjelsvik, ST7:July 70:1535:7421
Shell-Like Structures, Kenneth P. Buchert, Preprint No.1287, Jan 71
Spaced Steel Columns, Bruce G. Johnston, ST5:May 71:1465:8109
U.S. Steel Headquarters Building, CE:Apr 70:58
TR:136:361
Vibrations of Stacks Supported on Steel Structures, Anthony Morrone, ST12:Dec 69:2831:6965
TR:136:459

Stiffeners
Stiffening in Tubular Junctions - Some New Concepts, Bharat Mehrotra, TN: ST9:Sept 71:2453:8374

Stiffness
Aeroelastic Stability of Unstiffened Suspension Bridges, Daniel Dicker, EM6:Dec 71:1677:8615
Bandwidth Minimization of Stiffness Matrices, James G. Crose, TN: EM1:Feb 71:163:7858
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314
Coupling Beams of Reinforced Concrete Shear Walls, Thomas Paulay, ST3:Mar 71:843:7984
Dynamic Analysis of Nonlinear Space Frames, Fereydoon Farhoomand, J. K. Iverson and Robert K. Wen, Preprint No.1371, Apr 71
Efficient Solutions for Linear Matrix Equations, H. Gordon Jensen and Gary A. Parks, ST1:Jan 70:49:7007
TR:13:52
Experiments with Folded Plate Models, S. E. Swartz and V. H. Rosebraugh, Preprint No.1354, Apr 71
Finite Element Analysis of Reinforced Concrete Slabs, Jan C. Jofriet and Gregory M. McNeice, ST3:Mar 71:785:7963
Flexural Rigidity of Concrete Column Sections, Ian C. Medland and Donald A. Taylor, ST2:Feb 71:573:7933
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Impulsive Load Stiffness of Flexible Pavements, Nelson M. Isada, SM2:Mar 70:639:7176
TR:136:856
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Reinforcement for Torque in Spandrel L-Beams, Umakanta Behera, K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
Stiffening in Tubular Junctions - Some New Concepts, Bharat Mehrotra, TN: ST9:Sept 71:2453:8374
Stiffness Matrix for Plates by Galerkin's Method, Barna A. Szabo and George C. Lee, EM3:June 69:571:6608
TR:136:137
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Thixotropic Behavior of Compacted Clays, Donald H. Gray and Nouri A. Kashmeeri, SM1:Jan 71:193:7857
Three-Dimensional Bar Cell for Elastic Stress Analysis, Alexander Hrennikoff and A. Gantayat, EM3:June 70:313:7352
TR:136:914
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133

Stiffness Methods
Analysis of Curved Folded Plate Structures, Christian Meyer and Alexander C. Scordelis, ST10:Oct 71:2459:8434
Buckling Loads of Nonuniform Columns, Chiyyarath V. Girijavallabhan, ST11:Nov 69:2419:6908
TR:136:356
Stiffness Matrix for Sandwich Folded Plates, G. M. Folie, ST2:Feb 71:603:7925
Tangent Stiffness Matrix for Space Frame Members, Semih S. Tezcan and Bijay C. Mahapatra, ST6:June 69:1257:6627
TR:136:730

Stilling Basins
Closed Conduit to Open Channel Stilling Basin, Gordon H. Flammer, Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
Efficiency of Hydraulic Jump, Satya P. Garg and Hari R. Sharma, HY3:Mar 71:409:7994
Fluctuating Pressures in Spillway Stilling Basins, C. Edward Bowers and Frank Y. Tsai, HY6:Nov 69:2071:6915
TR:136:322
Guri Hydroelectric Project Designed for Staged Development, Hans Hasen and P. H. Palacios H., CE:Dec 71:55
Hydraulic Jump Within Gradually Expanding Channel, Anat Arbhabhirama and Alejandro U. Abella, HY1:Jan 71:31:7831
Pump Storage at DeGray Dam, Robert G. Burnett and William M. Rankin, Preprint No.1414, Apr 71

Stirrups
Effects of Reinforcements on Ductility of Concrete, Surendra P. Shah and B. Vijaya Rangan, ST6:June 70:1167:7366
TR:136:1262
Stirrup Effectiveness in RC Beams with Axial Force, Munther J. Haddadin and Alan H. Mattock, ST9:Sept 71:2277:8394

Stochastic Models
Air Traffic Simulation, 1- and 2-Runway Airports, Stephen Hall, Preprint No.1421, July 71
Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455

Stochastic Processes
Longitudinal Dispersion of Bed-Material Particles, Chih Ted Yang and William W. Sayre, HY7:July 71:907:8228
Optimal Allocation of Stochastic Water Supply, Warren A. Hall and David T. Howell, IR4:Dec 70:395:7718
Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227
Stochastic Analysis of Periodic Hydrologic Process, Rezaul Karim Bhuiya, HY7:July 71:949:8242

Stochastic Hydrodynamics of Sediment Transport, Chao-Lin Chiu and Kuang-Chen Chen, EM5:Oct 69:1215:6858
TR:136:341
Stochastic Model for BOD and DO in Estuaries, Stephen W. Custer and Richard G. Krutchkoff, SA5:Oct 69:865:6834
TR:136:784
Stochastic Model For Sand Dispersion, Chih Ted Yang and William W. Sayre, HY2:Feb 71:265:7892
Stochastic Seismic Response of Structures, Patricio Ruiz and Joseph Penzien, EM2:Apr 71:441:8050
Upper Bound for Two-Sided Barrier Problem, Arnold L. Sweet, EM6:Dec 69:1369:6962
TR:136:433

Storage
Environmentally Attractive Methods to Store or Use Fly Ash, David E. Kleiner, Preprint No.1555, Oct 71

Storage Tanks
Undersea Oil Storage Tank, Robert S. Chamberlin, CE:Aug 70:57
Dsc: F. Hatfield, CE:Nov 70:65
TR:136:634

Storm Drains
Where Is Urban Hydrology Practice Today?, D. Earl Jones, Jr., HY2:Feb 71:257:7917

Storm Runoff
Where Is Urban Hydrology Practice Today?, D. Earl Jones, Jr., HY2:Feb 71:257:7917
Within Storm Precipitation-Frequency Values, John F. Miller, Preprint No.1316, Jan 71

Storms
Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Computation of Storm Surge, Richard Silvester, 12CEC:pp.1995-12010, 1971
Computer Simulation Of Urban Storm Water Runoff, Carl W. Chen and Robert P. Shubinski, HY2:Feb 71:289:7924
Design Criteria for North Sea Dikes, Johann Kramer, WW4:Nov 71:703:8548
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TR:136:511
Weather Modification as a Watershed Management Tool, Merlin C. Williams, IR1:Mar 69:15:6434
TR:136:758
Within Storm Precipitation-Frequency Values, John F. Miller, Preprint No.1316, Jan 71

Storm Sewers
Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503
HUD Sewer Policy in Urban Renewal Areas, Francis J. Blesso, Preprint No.1535, Oct 71
Hydrologic Data for Storm Drainage Design, William J. Schneider, Preprint No.1328, Jan 71
Soft-ground Tunneling for Storm Sewer, Henry R. Cooke, CE:Apr 71:61
Storm Drainage Practices of Thirty-two Cities, Colby V. Ardis, Kenneth J. Dueker and Arno T. Lenz, HY1:Jan 69:383:6365
TR:136:783
The Structure of Thunderstorm Rainfall, John B. Stall and Floyd A. Huff, Preprint No.1330, Jan 71

Storm Surges
Computation of Storm Surge, Richard Silvester, 12CEC:pp.1995-12010, 1971
Design Criteria for North Sea Dikes, Johann Kramer, WW4:Nov 71:703:8548
Statistical Prediction of Hurricane Storm Surge, Cheng Y. Yang, A. M. Parisi and William S. Gaither, 12CEC:pp.2011-2030, 1971
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Storm Water
Combined Sewers and Stormwater Drainage - Today and 2050 AD, Carmen F. Guarino and Joseph V. Radziul, CWFE:Mar 71:349
Hydrologic Data for Storm Drainage Design, William J. Schneider, Preprint No.1328, Jan 71
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71

Strain
Behavior of Concrete Under Varying Strain Gradients, I. Demir Karsan and James O. Jirsa, ST8:Aug 70:1675:7484
Plane Strain Consolidation by Finite Elements, John T. Christian and Jan Willem Boehmer, SM4:July 70:1435:7437
Strain in Brick Wall of Five-Story Building, J. G. Stockbridge, ST12:Dec 69:2955:6979
TR:136:793

Strain Gages
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492

Strain Hardening
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71: 2519:8443
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Response of Rate-Sensitive Frames to Impulsive Loads, Nicholas Perrone, EM1:Feb 71:49:7890

Strain Measurement
Random Walk Model of Ideal Granular Mass, Edward Hamilton Fletcher, SM10:Oct 71:1379: 8444

Strain Rate
Consolidation at Constant Rate of Strain, Anwar E.Z. Wissa, John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447
Consolidation Under Constant Rates of Strain, Ronald E. Smith and Haryl L. Wahls, SM2:Mar 69: 519:6452
TR:136:45
Controlled Gradient Consolidation Test, John Lowe, III, Ernest Jonas and Vladimir Obrician, SM1:Jan 69:77:6327
TR:136:1
Effect of Strain History on Liquefaction of Sand, W. D. Liam Finn, Peter L. Bransby and Dennison J. Pickering, SM6:Nov 70:1917:7670

XUM

Strains
Behavior of Concrete under Compressive Loadings, I. Demir Karsan and James O. Jirsa, ST12:Dec 69: 2543:6935
TR:136:390
Determination of Signs in Moire Method, Fu-Pen Chiang, EM6:Dec 69:1379:6963
TR:136:419
Development of Failure Around Excavated Slopes, Peter Dunlop and James M. Duncan, SM2:Mar 70: 471:7162
TR:136:608
Elastic Analysis for Behavior of Rockfill, Neville O. Boughton, SM5:Sept 70:1715:7532
TR:136:1042
Extensibility of Concrete and Theorems of Limit Analysis, Wai F. Chen, EM3:June 70:341:7369
TR:136:874
Nonlinear Analysis of Stress and Strain in Soils, James M. Duncan and Chin-Yung Chang, SM5: Sept 70:1629:7513
Physical Strains in Nonlinear Thin Shell Theory, Peter G. Glockner and J. P. Shrivastava, EM6:Dec 69:1331:6956
TR:136:385
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Strain Conditions in Compression Cylinder, William M. Kirkpatrick and J. Scott Younger, SM5:Sept 70: 1683:7504
TR:136:1118
Stress Analysis of Contractive or Dilative Soil, Ian M. Smith and Stephen Kay, SM7:July 71:981:8263
Theoretical Stresses and Strains from Heat Curving, Roger L Brockenbrough, ST7:July 70:1421:7410
TR:136:1005

Stranded Conductors
Static Ending Strain in Stranded Conductor, James C. Poffenberger and Puran R. Mehta, ST11:Nov 70: 2429:7687
TR:136:1332

Strands
Main Cables of Newport Suspension Bridge, Blair Birdsall, ST12:Dec 71:2825:8606

Stratification
Chemistry of N and Mn in Cox Hollow Lake, Wis., Following Destratification, Patrick L. Brezonik, Joseph J. Delfino and G. Fred Lee, SA5:Oct 69: 929:6850
TR:136:790
Collection of Oil Slicks, Ralph H. Cross and David P. Hoult, WW2:May 71:313:8122
Examination of the Thermocline, John C. Sonnichsen and Clarence A. Oster, SA2:Apr 70:353:7219
Heated Discharge from Flume into Tank, Heinz Stefan and Frank R. Schiebe, SA6:Dec 70:1415: 7762
Hydrography of South Pass, Mississippi River, Lynn D. Wright, WW3:Aug 71:491:8290
Prediction of Lake Stratification, Yu Leuk Choi and James A. Liggett, Preprint No.1295, Jan 71
Seepage Under Structure on Four Soil Strata, Charles W. Lenau, EM2:Apr 71:223:8058

Stratified Flow
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70: 2089:7634
TR:136:1271
Mechanics of Stratified Flow Through Orifices, Joseph P. Bohan and John L. Grace, HY12:Dec 70: 2401:7757
Multi-level Optimization of a Reservoir System, William J. Trott and William Wen-Gong Yeh, Preprint No.1526, Oct 71
Selective Withdrawal from Density-Stratified Reservoirs, Norman H. Brooks and Robert C.Y. Koh, HY4:July 69:1369:6702
TR:136:101
Stratification of Flow from Channel into Deep Lake, Heinz Stefan, HY7:July 70:1417:7401

Streambeds
Hydrodynamic Effects of Seepage on Bed Particles, Gary Z. Watters and Manam V.P. Rao, HY3:Mar 71:421:7973

Stream Flow
Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455
Cooling Water Density Wedges in Streams, Edward M. Polk, Jr., Barry A. Benedict and Frank L. Parker, HY10:Oct 71:1639:8446
Dispersivity Tensor for Uniform Channel Flow, Gedeon Dagan, HY5:Sept 69:1699:6794
TR:136:202
Drainage Density in Drift-Covered Basins, John F. Orsborn, HY1:Jan 70:183:7033
TR:136:436
Economic Measure of Effect of Extreme Data, Myron B. Fiering, SA4:Aug 69:683:6720
TR:13:49
Objective Determination of Safety Factor in Reservoir Design, E. R. Close, Leo R. Beard and D. R. Dawdy, ST5:May 70:1167:7297
TR:136:1235
Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227

Stream Gages
Algorithm For Adjusting Stream Stage Records, William C. Mills and Willard M. Snyder, IR1:Mar 71:51:7955
Integrating-Float Measurements at Low Velocities, Henry Liu and Larry D. Martin, HY1:Jan 70:143: 7027
TR:136:423
Integrating-Float Measurements in Turbulent Flows, Henry Liu and Charles D. Morris, HY2:Feb 70: 565:7101
TR:136:590
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Wave Propagation in Confined Clay, Delon Hampton, Peter J. Huck and Ernest T. Selig, SM4: July 70:1391:7434
TR:136:1020

Stream Pollution
Variability of Waste Treatment Plant Performance, Robert V. Thomann, SA3:June 70:819:7380
TR:136:1168

Streams
Aerator Performance in Natural Streams, Shaw L. Yu, SA5:Oct 70:1099:7601
Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71: 321:8545
Channel Slope Effect on Peak Discharge of Natural Streams, Charles L. Armentrout and Robert B. Bissell, HY2:Feb 70:307:7052
TR:136:952
Daily Streamflow Simulation, Kip Payne, W. R. Neuman and K. D. Kerri, HY4:July 69:1163:6665
TR:136:140
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Evaluating Low-Flow Characteristics, S. P. Sauer and Henry C. Riggs, Preprint No.1329, Jan 71
Evaluation of Nitrification in Streams, Chester T. Wezenak and John J. Gannon, SA5:Oct 68:883: 6159
TR:136:692
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
Friction Factors and Bed Forms in Fluvial Channels, David Squarer, HY4:Apr 70:995:7245
TR:136:726

Friction-Factors for Flat-Bed Flows in Sand Channels, Frederico Lovera and John F. Kennedy, HY4:July 69:1227:6678
TR:136:188
Friction Factors for Flow in Sand Bed Channels, Abu M.Z. Alam and John F. Kennedy, HY6:Nov 69: 1973:6900
TR:136:520
Instability of Flat Bed in Alluvial Chann , Harry M. Hill, Vajapeyam S. Srinivasan and Tharakkal E. Unny, Jr., HY5:Sept 69:1545:6770
TR:136:196
Photosynthesis and Oxygen Balance in Streams, Donald J. O'Connor and Dominic M. Di Toro, SA2:Apr 70:547:7240
TR:136:1201
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Power Optimization for Prescribed Thermal Pollution, Amir N. Nahavandi and Michael Pappas, PO3:July 71:631:8254
Sampling Procedures for Coarse Fluvial Sediments, Rolf Kellerhals and Dale I. Bray, HY8:Aug 71: 1165:8279
Sediment Transportation Mechanics: H. Sediment Discharge Formula, Task Committee for Preparation of Sedimentation Manual, Sedimentation Committee, Hydraulics Division, Vito A. Vanoni, Chmn., HY4:Apr 71:523:8076
Stream Temperature Prediction Under Reduced Flow, William L. Morse, Preprint No.1525, Oct 71

Streets

Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Planning for Campus Traffic and Parking, Joseph W. Guyton and George L. Reed, TE1:Feb 71:63:7880
Topics Fund Apportionment Formula, Mo C. Li, Preprint No.1459, July 71

Strength

Alternative Approach to Light-Gage Beam Design, James Rhodes and James M. Harvey, ST8:Aug 71: 2119:8327
Bonding, Effective Stresses and Strength of Soils, Iyer S. Ramantha, Awtar Singh and Richard G. Campanella, SM5:Sept 69:1219:6786
TR:136:200
Column Web Strength in Steel Beam-to-Column Connections, Wai F. Chen and David E. Newlin, Preprint No.1524, Oct 71
Influence of the Stud on Composite Beam Behavior, Neil M. Hawkins, Preprint No.1543, Oct 71
Strength of Structural Members Subjected to Fires, Charles G. Culver, Preprint No.1542, Oct 71
Yield and Failure of Glass-Epoxy Composites, Ori Ishai, Arlo E. Moehlenpah and Aaron Preis, EM5: Oct 70:739:7616
TR:136:1240

Strength of Materials

Structural Timber Research at Forest Products Lab, Fred Werren, ST12:Dec 69:2891:6980
TR:136:491

Stress

Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807: 7961
Dynamic Response of Coupled Shear Wall Buildings, A. W. Irwin and Arthur C. Heidebrecht, Preprint No.1378, Apr 71
Dynamics of Guyed Towers, R. J. McCaffry and Alois J. Hartmann, Preprint No.1379, Apr 71
Volume Minimization of Thin Plates Subject to Constraints, Zachary Sherman and Ping-Chun Wang, EM3:June 71:741:8192

Stress Analysis

Duality in Finite Element Methods, Ziad M. Elias, EM4:Aug 68:931:6074
TR:136:630
A Study of Bulk and Shear Moduli of a Sand, Leonard Domaschuk and Neil H. Wade, SM2:Mar 69:561:6461
TR:136:64

Stress Distribution

Analysis of Load-Bearing Fills over Soft Subsoils, James K. Mitchell and William S. Gardner, SM11: Nov 71:1549:8522
Behavior of Sands Under Surface Loads, Jack R. Morgan and Charles M. Gerrard, SM12:Dec 71: 1675:8577

Stresses

Allowable Bending Stress Design Aid, Allen J. Hulshizer, CE:Feb 70:63
TR:136:97
Analysis and Behaviour of a Concrete Cutoff Wall (In Spanish), Jesus Alberro, 4PCSM:pp.275-291, 1971
Analysis of Laminated Curved Beams, Antone F. Sayegh and Stanley B. Dong, EM4:Aug 70:471: 7495
TR:136:1034
Analysis of Large Complex Hydraulic Turbine Components, Edward J. Yanek, Preprint No.1410, Apr 71
Behavior of Concrete under Compressive Loadings, I. Demir Karsan and James O. Jirsa, ST12:Dec 69: 2543:6935
TR:136:390
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Cumulative Damage Theories and Application, J. E. Stallmeyer and William Hamilton Walker, ST12: Dec 68:2739:6290
TR:136:6
Cylindrical Shell Subject to Longitudinal Line Load, Amir K. Naghdi, EM5:Oct 70:653:7617
TR:136:1246
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
Design of Mossyrock Arch Dam, Roman P. Wengler and William Y. J. Shieh, PO1:Jan 71:25:7805
Development of Failure Around Excavated Slopes, Peter Dunlop and James M. Duncan, SM2:Mar 70: 471:7162
TR:136:608
Dynamic Response of Initially-Stressed Membrane Shells, John W. Leonard, EM5:Oct 69:1231:6859
TR:136:822
Effect of Skew Penetration on Stress Concentration, Fernand Ellyin and Archibald N. Sherbourne, EM6:Dec 68:1317:6265
TR:136:37
Elastic Analysis for Behavior of Rockfill, Neville O. Boughton, SM5:Sept 70:1715:7532
TR:136:1042
Field Tests of Aluminum Orthotropic Bridge Deck, Maurice L. Sharp, ST11:Nov 69:2463:6920
TR:136:382
Finite Element Bending Analysis of Reissner Plates, Charles W. Pryor, Jr., Richard M. Barker and Daniel Frederick, EM6:Dec 70:967:7760
Framed Tube Structures for High-Rise Buildings, Alexander Coull and Nutan Kumar Subedi, ST8: Aug 71:2097:8301
Gravity and Surface-Load Stresses in Spheres, August J. Durelli, Vincent J. Parks and Luis Ferrer, EM4:Aug 70:407:7481
TR:136:1010
Investigation of Deteriorated Concrete Arch Dam, David Pirtz, Arthur G. Strassburger and Richard C. Mielenz, PO1:Jan 70:23:6997
TR:136:300
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939

XUM

Nonlinear Analysis of Stress and Strain in Soils, James M. Duncan and Chin-Yung Chang, SM5: Sept 70:1629:7513
Restrained Elastic Beam-Columns, Nicholas S. Trahair, ST12:Dec 69:2641:6941
TR:136:421
Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Shear Lag in Stiffened Box Girders, David J. Malcolm and Richard G. Redwood, ST7:July 70: 1403:7409
Soil Vertical Stress Influence Charts for Rectangles, Alfreds R. Jumikis, TN: SM2:Feb 71:521:7860
Stresses Under Linearly Loaded Rectangular Area, Jean-Pierre Giroud, SM1:Jan 70:263:7040
TR:136:505
Theoretical Stresses and Strains from Heat Curving, Roger L Brockenbrough, ST7:July 70:1421:7410
TR:136:1005
TVA Experience with Concrete Chimney Linings, Charles D. Durfee, PO2:Oct 69:193:6826
TR:136:60
Vertical Stresses Due to Deep Foundations, Abraham Ellstein and Leonard Rapoport, 4PCSM:pp.243-255, 1971
Yield and Failure of a Clay Under Triaxial Stresses, Raymond N. Yong and Edward McKyes, SM1:Jan 71:159:7790

Stress-Strain Curves
Analysis of Orthotropic Reinforced Concrete Structures, Jeremy Isenberg and Samy A. Adham, ST12:Dec 70:2607:7782
Behavior of Dry Sands under Cyclic Loading, D. H. Timmerman and Tien H. Wu, SM4:July 69:1097: 6698
TR:136:186
Consolidation at Constant Rate of Strain, Anwar E.Z. Wissa, John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447
Secondary Compression in the Shear of Clays, Leonard K. Walker, SM1:Jan 69:167:6348
TR:136:664
Yield and Failure of a Clay Under Triaxial Stresses, Raymond N. Yong and Edward McKyes, SM1:Jan 71:159:7790

Stripping
Simulation of Ammonia Stripping from Wastewater, Joseph F. Roesler, Robert Smith and Richard G. Eilers, SA3:June 71:269:8182

Stroboscopes
Virtual Mass of Plates and Discs in Water, Frederic T. Mavis, HY10:Oct 70:1947:7593

Structural Analysis
Analysis of Accelerograms and Structural Response, S. K. Guha, S. P. Agarwal, V. P. Agarwal, P. D. Gosavi and S. C. Marwadi, TN: EM2:Apr 71:589: 8017
Analysis of the Southern Crossing Cable-stayed Girder, Charles Seim, Stanford Larsen and Arthur Dang, Preprint No.1402, Apr 71
Analysis of Thin Steel Hyperbolic Paraboloid Shells, P. V. Banavalkar and Peter Gergely, Preprint No.1320, Jan 71
Analytical and Model Studies of Continuous Folded Plates, John E. Goldberg, Martin J. Gutzwiller and Robert H. Lee, EM5:Oct 68:1127:6181
TR:136:754
Analytical Model for Lateral Load Effect on Buildings, Bernardo J. Deschapelles, ST6:June 70: 1025:7328
TR:136:1302
Approximate Solution of Beam-columns, Wai F. Chen, TN: ST2:Feb 71:743:7861
Approximate Yield Surface Equations, Glenn A. Morris and Steven J. Fenves, EM4:Aug 69:937: 6741
TR:136:225
Arch Action and Bond in Concrete Shear Failures, Ramnath N. Swamy, Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873
TR:136:669
Complete Adjustment Method for Analyzing Arch Dams, J. Laginha Serafim, J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70: 1711:7492
Conjugate Gradient and Decomposition - Analogy, Moshe R. Rubenstein, TN: ST8:Aug 71:2165:8275
Drag or Along-Wind Response of Slender Structures, J. J. Vickery and Kvan H. Kao, Preprint No.1384, Apr 71
Duality Between Limit Analysis and Limit Design, Geroge I.N. Rozvany, TN: EM6:Dec 71:1763:8559
Dynamic Analysis of Nonlinear Space Frames, Fereydoon Farhoomand, J. K. Iverson and Robert K. Wen, Preprint No.1371, Apr 71
Efficient Reanalysis of Modified Structures, Dag Kavlie and Graham H. Powell, ST1:Jan 71:377: 7846
Estimating Beam Size, Adrian J. Perez, CE:Dec 71: 67
Experimental Verification of Discrete-element Solutions for Plates, Sohan L. Agarwal and W. Ronald Hudson, TN: ST8:Aug 71:2159:8275
Experiments with Folded Plate Models, S. E. Swartz and V. H. Rosebraugh, Preprint No.1354, Apr 71
Extension of Incremental Collapse Theorems, Atle Gjelsvik, TN: EM5:Oct 71:1603:8412
Finite Element Analysis of Hyperbolic Paraboloid Shells, Semih S. Tezcan, Krishna M. Agrawal and George Kostro, ST1:Jan 71:407:7847
Finite-Element Analysis of Skewed Shallow Shells, David A. Pecknold and William C. Schnobrich, ST4:Apr 69:715:6523
TR:136:725
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Force Method in Structural Dynamics, Ziad M. Elias, Preprint No.1374, Apr 71
Frequencies of Beams with Elastic Warping Restraint, Paul Christiano and Larry Salmela, TN: ST6:June 71:1835:8164
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Inelastic Deformations of Geometrically Nonlinear Frames, E. A. Akkoush, Khalilollah Khozeimeh and Theodore G. Toridis, Preprint No.1405, Apr 71
Lift or Across-wind Response of Tapered Stacks, Barry J. Vickery and Arthur W. Clark, Preprint No.1385, Apr 71
Maximum Safe Loading of Folded Plate Structures, Morris N. Fialkow, Preprint No.1380, Apr 71
Model I-Shaped Beams under Alternating Deflections, Settiana G. Krishnasamy and Archibald N. Sherbourne, TN: ST3:Mar 71:1015: 7946
Multiple Configuration Analysis of Structures, R. J. Melosh and Rein Luik, ST11:Nov 68:2581:6220
TR:136:663
New Books On Structural Analysis, CE:Nov 71:70
Nondeterministic Analysis of Offshore Structures, Anil K. Malhotra and Joseph Penzien, EM6:Dec 70:985:7777
Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, Dong W. Lee and John E. Breen, Preprint No.1411, Apr 71
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
Partially Cracked Finite Elements, John C. Bell and David G. Elms, TN: ST7:July 71:2041:8226

Point-Matching Analysis of Curved Timber Beams, Ricardo O. Foschi, ST1:Jan 70:35:6998
TR:136:522
Properties of Spectral Moments with Application to Random Vibration, Erik H. Vanmarcke, Preprint No.1375, Apr 71
Random Vibration in Seismic Analysis - an Evaluation, Mohammad Amin and I. Gungor, Preprint No.1409, Apr 71
Simply Supported Rectangular Double-Layered Grids, M. J.L. Hussey, A. I. Tarza and W. F.D. Theron, ST3:Mar 71:753:7954
Structural Analysis by Computer Graphics, William F. Bates, Jr., ST11:Nov 69:2433:6914
TR:136:1099
Structural Aspects of Deep Submersible Structures, B. T. Woodland, Preprint No.1412, Apr 71
Structural Aspects of the Guri Hydroelectric Project, Hans Hasen and P. Palacios H., Preprint No.1413, Apr 71
Structural Sections from Reinforced Plastics, John E. Johnson, James Harris and Edward Hughes, Preprint No.1381, Apr 71
Study of Pipe with Concrete Bedding-Part II, Harvey C. Olander and Gordon G. Robertson, TE1:Feb 70: 25:7087
TR:136:324
Substructure Analysis by Matrix Decomposition, Richard Rosen and Moshe F. Rubinstein, ST3:Mar 70:663:7169
TR:136:862
Theoretical Analysis of Suspension Roofs, Saafan A. Saafan, ST2:Feb 70:393:7107
TR:136:588
Torsion of Perforated Concrete Shafts, Riko Rosman, ST5:May 69:991:6578
TR:136:115
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Structural Bolts

Limit States Design, Raymond C. Reese, Preprint No.1537, Oct 71

Structural Design

Application of Computers to Airport Planning and Design, Rufus C. Phillips, III, TE3:Aug 70:341: 7472
TR:136:1160
Automated Optimum Design from Discrete Components, Aldo Cella and Robert D. Logcher, ST1:Jan 71:175:7845
Concept of Structural Control, James T. P. Yao, Preprint No.1360, Apr 71
Cost Control in Hospital Design, F. C. Wood, Preprint No.1530, Oct 71
Design Processes and Computer Methodology, Tung Au, Preprint No.1369, Apr 71
Design Tables for Composite Columns, Richard W. Furlong, Preprint No.1531, Oct 71
Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70: 573:7159
TR:136:834
Fatigue Damage Factor in Structural Design, Jhy-Pyng Tang and James T.P. Yao, Preprint No.1387, Apr 71
Full-Size Lightweight Concrete Column4, Donald W. Pfeifer, ST2:Feb 71:495:7903
Guide for the Design of Aluminum Formed-Sheet Building Sheathing, Robert B.B. Moorman, Chmn, ST8:Aug 69:1727:6744
TR:136:195
Irregular Shaped Plates with Singularities, David H. Geiger, EM5:Oct 71:1533:8458
Iterative Design Techniques, W. R. Spillers and S. Albanna, Preprint No.1373, Apr 71
Maximum Strength Elastic Structural Design, J. E. Taylor, EM3:June 69:653:6617
TR:136:1086
Optimization Techniques in Structural Design, George G. Goble, Preprint No.1397, Apr 71
Optimum Stiffness and Strength of Elastic Structures, Ernest F. Masur, EM5:Oct 70:621:7580
TR:136:7580
Post-Elastic Deflection of Plates, Roger Hooke, ST4: Apr 70:757:7206
TR:136:904
Reliability-Based Structural Design, Fred Moses and John D. Stevenson, ST2:Feb 70:221:7072
TR:136:547
Space-Time Transformation of Live Load Data, Alex C. Heaney, Preprint No.1396, Apr 71
Suggested Design Guides for Beams with Web Holes, by the Subcommittee on Beams with Web Openings of the Task Committee on Flexural Members of the Structural Division, John E. Bower, Chmn., ST11: Nov 71:2707:8536

Structural Engineering

Alternative Approach to Light-Gage Beam Design, James Rhodes and James M. Harvey, ST8:Aug 71: 2119:8327
Ambient Vibration of Two Suspension Bridges, V. R. Mc Lamore, Gary C. Hart and Ian R. Stubbs, ST10:Oct 71:2567:8454
Analysis of Asymmetrical Coupled Shear Walls, Arthur C. Heidebrecht and R. David Swift, ST5: May 71:1407:8100
Analysis of Curved Folded Plate Structures, Christian Meyer and Alexander C. Scordelis, ST10:Oct 71: 2459:8434
Analysis of Curved Girder Bridges, Lansford C Bell and Conrad P Heins, Jr., ST8:Aug 70:1657:7462
Analysis of Dowel Action, David W. Johnston and Paul Zia, ST5:May 71:1611:8147
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70: 593:7591
TR:136:1140
Analysis of Footing Subjected to Biaxial Bendine, German Gurfinkel, ST6:June 70:1049:7329
Analysis of Horizontally Curved Box Girder Bridges, Kuang-Han Chu and Suresh G. Pinjarkar, ST10:Oct 71:2481:8453
Analysis of Inelastic Suspension Structures, Thomas M. Murray and Nicholas Willems, ST12:Dec 71: 2791:8574
Analysis of Multibeam Bridges, Graham H. Powell, Amitava Ghose and Ian G. Buckle, ST9:Sept 69: 1953:6796
TR:136:1090
Analysis of Orthotropic Reinforced Concrete Structures, Jeremy Isenberg and Samy A. Adham, ST12:Dec 70:2607:7782
Analysis of Plane Prestressed Cable Structures, H. Mollmann, ST10:Oct 70:2059:7598
TR:136:1182
Analysis of Shear Walls with Openings, Chiyyarath V. Girijavallabhan, ST10:Oct 69:2093:6824
TR:136:280
Analysis of Space Truss as Equivalent Plate, William R. Flower and Lewis C. Schmidt, ST12:Dec 71: 2777:8569
Analysis of Three Dimensional Thin-Walled Structures, Bharat L. Mehrotra, Aftab A. Mufti and Richard G. Redwood, ST12:Dec 69:2863:6968
TR:136:465
Analytical Model for Lateral Load Effect on Buildings, Bernardo J. Deschapelles, ST6:June 70: 1025:7328
TR:136:1302
Analytical Study of Tubular Tee-Joints, Alexander C. Scordelis and Jack G. Bouwkamp, ST1:Jan 70:65: 7016
TR:136:532
Anchor Zone Stresses in Prestressed and Concrete Beams, Kashi T. Sundara Raja Iyengar, Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807: 7961
Arch Action and Bond in Concrete Shear Failures, Ramnath N. Swamy, Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338

XUM

*Automated Design of Frame Structures, Dag Kavlie and Johannes Moe, ST1:Jan 71:33:7823
Automated Optimum Design from Discrete Components, Aldo Cella and Robert D. Logcher, ST1:Jan 71:175:7845
Automatic Design of Shell Structures, Peter G. Smith and Edward L. Wilson, ST1:Jan 71:191:7825
Automatic Generation of Finite Element Matrices, Rene W. Luft, Jose M. Roesset and Jerome J. Connor, ST1:Jan 71:349:7841
Basic Structural Design of Concrete Chimneys, Wadi S. Rumman, PO3:June 70:309:7334
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873
TR:136:669
Behavior of Concrete under Compressive Loadings, I. Demir Karsan and James O. Jirsa, ST12:Dec 69:2543:6935
TR:136:390
Behavior of Concrete Under Varying Strain Gradients, I. Demir Karsan and James O. Jirsa, ST8:Aug 70:1675:7484
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Behavior of Fiber Glass Reinforced Concrete Beams, Edward G. Nawy, Gary E. Neuwerth and Charles J. Phillips, ST9:Sept 71:2203:8353
Behavior of Laced and Battened Structural Members, Fung J. Lin, Ernst C. Glauser and Bruce G. Johnston, ST7:July 70:1377:7404
TR:136:980
Behavior of Laterally Reinforced Concrete ColumnF, Edwin G. Burdette and Hubert K. Hilsdorf, ST2:Feb 71:587:7905
Behavior of Loaded Cable Systems, W. Terence O'Brien, ST10:Oct 68:2281:6162
TR:136:627
Behavior of Simply Supported Slabs, Murray A. Muspratt, ST12:Dec 69:2703:6945
Behavior of Single Horizontally Curved Girder, Conrad P. Heins, Jr. and Kenneth R. Spates, ST7:July 70:1511:7420
TR:136:1031
Behavior of Stiffened Curved Plate Model, Conrad P. Heins, Jr. and Robert L. Hails, ST11:Nov 69:2353:6876
TR:136:329
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Behavior of Wood-Concrete Composite Beams, George Pincus, ST10:Oct 70:2009:7592
TR:136:1170
Biaxially Loaded Beam-Column Analysis, Ishwar C. Syal and Satya S. Sharma, ST9:Sept 71:2245:8384
Bolted Connections with Varied Hole Diameters, Zaher Shoukry and William Thomas Haisch, ST6:June 70:1105:7349
TR:136:954
Bolted Galvanized Bridges-Engineering Acceptance Near, Peter C. Birkemoe and D. C. Herrschaft, CE:Apr 70:42
TR:136:326
Bolted Joints Under Sustained Loading, Verl Lobb and Floyd Stoller, ST3:Mar 71:905:7996
Bonded Concrete Overlays, Raouf Sinno and Howard L. Furr, ST8:Aug 70:1627:7450
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314
Bounding of Frame Buckling Loads, Alfred Korn, ST8:Aug 70:1639:7452
Bridge Deck Deterioration and Crack Control, Joseph P. Callahan, James L. Lott and Clyde E. Kesler, ST10:Oct 70:2021:7579
TR:136:1157
Bridge Deck Protection and Resurfacing, Roland A. Pettitt, ST4:Apr 70:791:7217
TR:136:909
Bridge Engineer Looks at Esthetics of Structures, Reece H. Wengenroth, ST4:Apr 71:1227:8074
Buckling Loads of Nonuniform Columns, Chiyyarath V. Girijavallabhan, ST11:Nov 69:2419:6908
TR:136:356
Buckling of Anisotropic Composite Plates, Christos C. Chamis, ST10:Oct 69:2119:6799
TR:136:244
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Buckling of Plates of Abruptly Varying Stiffness, P. Paramasivam and Jawalker K. Sridhar Rao, ST6:June 69:1313:6635
TR:136:744
Buckling of Polar Orthotropic Annular Plates, K. Vijayakumar and C. V. Joga Rao, EM3:June 71:701:8171
Buckling of Trapezoidal Frames Permitted to Sway, Adel Helmy Salem, ST12:Dec 69:2621:6940
TR:136:416
Buckling Strength of Columns Based on Random Parameters, Bertrand T. Chung and George C. Lee, ST7:July 71:1927:8259
Building Columns under Strong Earthquake Exposure, John A. Blume, ST9:Sept 71:2351:8398
Building Dynamics Due to Stochastic Wind Forces, Gary C. Hart, ST3:Mar 70:535:7154
TR:136:848
Cable-Suspended Roof Construction State-of-the-Art, Subcommittee on Cable-Suspended Roof Structures of the Task Committee on Special Structures of the Committee on Metals of the Structural Division, John B. Scalzi, Chmn., ST6:June 71:1715:8190
Collapse Load Analysis Using Linear Programming, Donald E. Grierson and Graham M. L. Gladwell, ST5:May 71:1561:8127
Complete Adjustment Method for Analyzing Arch Dams, J. Laginha Serafim, J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70:1711:7492
Composite Beam Incorporating Cellular Steel Decking, Hugh Robinson, ST3:Mar 69:355:6447
TR:136:823
Compression-Tests on Hoop-Reinforced Concrete, Norman F. Somes, ST7:July 70:1495:7417
Computation of Cutting Length of Guys, Stanley J. Jarecki, Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587
Computer-Aided Processing of Design Specifications, Surendra K. Goel and Steven J. Fenves, ST1:Jan 71:463:7839
Computer Analysis of Large Linear Frames, William D. Whetstone, ST11:Nov 69:2401:6897
TR:136:1065
Computer Charges and Engineering Organizations, Daniel Roos, ST1:Jan 71:339:7834
Computer Plotted Prestressed Concrete Design Charts, Leonard Rice, ST3:Mar 71:863:7993
Computer's Role in Transmission Line Design, Charles F. Beck, ST1:Jan 71:63:7817
Concrete Beams in Bending, Torsion and Shear, Arthur E. McMullen and Joseph Warwaruk, ST5:May 70:885:7270
TR:136:1255
Concrete Beams with Prestressed Reinforcement, Alfred Bishara and Filomeno N. Almeida, ST7:July 70:1445:7411
TR:136:1319
Concrete Box-Girder Bridges as Sandwich Plates, J. G. Arendts and Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Concrete Column Design by AASHO Specifications, Hans H. Fickel, ST4:Apr 71:1187:8070
Concrete Deep Submergence Hollow Shell Structures, Jerry D. Stachiw, ST12:Dec 69:2931:6982
TR:136:496
Concrete Hulls for Undersea Applications, Harvey H. Haynes, Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
Concrete-Polymer Composites, Lawrence E. Kukacka, Peter Colombo, Meyer Steinberg and Bernard Manowitz, ST9:Sept 71:2217:8363

Connections in Thin Low-ductility Steels, Asfandiar K. Dhalla, Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442
Consistent Partial Safety Factors, Niels C. Lind, ST6: June 71:1651:8166
Constraint Processing in Design, Richard N. Wright, LeRoy T. Boyer and John W. Melin, ST1:Jan 71: 481:7856
Construction Self-Weight Stresses of Precast Shear Walls, Donald H. Orme, Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840
Continuous Beams With Prestressed Reinforcement, Alfred G. Bishara, George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Conventionally Reinforced Nuclear Containments, Clarence T Gordon and William L Klehm, ST2:Feb 70:199:7065
TR:136:542
Cooling Towers Supported on Columns, Salman H. Abu-Sitta, ST12:Dec 70:2575:7753
Cost-Effective Matching of Task and Computing Device, Ralph E. Miller, Jr. and John McCaslin, ST1:Jan 71:329:7854
Cost Optimization of Structural Roof System, Samuel L. Lipson and Alan D. Russell, ST8:Aug 71:2057: 8291
Creep and Shrinkage in Reinforced Concrete Beams, Tuck Wah Leong and Robert F. Warner, ST3:Mar 70:509:7150
TR:136:607
Creep, Cracking, and Shrinkage in Concrete Frame Structures, Lawrence G. Selna, ST12:Dec 69:2743: 6949
TR:136:1232
Creep Deflection of Reinforced Concrete Beams, Charles A. Miller and Sidney A. Guralnick, ST12: Dec 70:2625:7768
Criteria for Heat Curving Steel Beams and Girders, Roger L Brockenbrough, ST10:Oct 70:2209:7638
TR:136:1058
Cumulative Damage Theories and Application, J. E. Stallmeyer and William Hamilton Walker, ST12: Dec 68:2739:6290
TR:136:6
Cylindrical Shell Roofs with Draped Prestressing, A. H. Bryant and J. C. Scrivener, ST4:Apr 71:611: 6496
TR:136:1083
Damage to Structures Due to Floor Shocks, Nelson M. Isada, ST2:Feb 71:561:7897
Deep Slabs Subjected to Static and Blast Loading, Gayle E. Albritton, ST11:Nov 69:2449:6919
TR:136:365
Deflection Analysis for Shakedown, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1359:7403
TR:136:961
Deflection of Circular Plate with Built-in Edges, Manuel A.G. Silva and Leon M. Keer, ST8:Aug 71: 2073:8319
Deformations of Geometrically Imperfect Beams, Nicholas S. Trahair, ST7:July 69:1475:6682
TR:136:179
Design and Analysis of Frames for Stability, Harold Switzky and Ping Chun Wang, ST4:Apr 69:695: 6522
TR:136:709
Design Criteria for Turbine-Generator Pedestals, Asadour H. Hadjian, PO1:Jan 70:1:6991
Design of Cylindrical Concrete Water Tanks, Harvey C. Olander, ST5:May 70:947:7303
TR:136:924
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
Design of Seismic Joint for San Francisco Bay Tunnel, Walter S. Douglas and Robert Warshaw, ST4:Apr 71:1129:8040
Design Parameters for Thermal Shock Problems, Tauchao C. Fan, ST2:Feb 70:309:7088
TR:136:563
Diagonal Tension Cracking in Concrete Beams with Axial Forces, Alan H. Mattock, ST9:Oct 69:1887: 6776
TR:136:221
Discrete Structural Optimization, Kenneth F. Reinschmidt, ST1:Jan 71:133:7829
Dynamic Analysis of Multibay Multistory Frames, Masaaki Suko and Peter F. Adams, ST10:Oct 71: 2519:8443
Earthquake Design Criteria for Subways, Thomas R. Kuesel, ST6:June 69:1213:6616
TR:136:718
Earthquake Design Formula Considering Local Soil Conditions, Semih S. Tezcan, ST9:Sept 71:2383: 8399
Earthquake Design of Cooling Towers, Salman H. Abu-Sitta and Alan G. Davenport, ST9:Sept 70: 1889:7524
Earthquake Response of a Ramberg-Osgood Structure, Movses J. Kaldjian and William R.S. Fan, ST10:Oct 68:2451:6196
TR:136:656
Earthquake Response of Arch Dams, Umesh Chandra Tahbildar and Hugh Tottenham, ST11: Nov 70:2321:7681
Effective Width of Steel Deck-Plate in Bridges, George Abdel-Sayed, ST7:July 69:1459:6673
TR:136:516
Effective Width of Thin Plates in Compression, George Abdel-Sayed, ST10:Oct 69:2183:6837
TR:136:291
Effects of Creep and Shrinkage on Prestressed Concrete Columns, William J. Wilhelm and Paul Zia, ST10:Oct 70:2103:7614
Efficient Reanalysis of Modified Structures, Dag Kavlie and Graham H. Powell, ST1:Jan 71:377: 7846
Efficient Solution of Load-Deflection Equations, R. J. Melosh and R. M. Bamford, ST4:Apr 69:661:6510
TR:136:700
Efficient Solutions for Linear Matrix Equations, H. Gordon Jensen and Gary A. Parks, ST1:Jan 70:49: 7007
TR:13:52
Elastic Behavior of Biaxially Loaded Steel Columns, Ishwar C. Syal and Satya S. Sharma, ST3:Mar 70: 469:7143
TR:136:593
Elastic Lateral Buckling of Steel Beam, Graham H. Powell and Richard Klingner, ST9:Sept 70:1919: 7555
Elastic Lateral Buckling of Stepped I-Beams, Nicholas S. Trahair and Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Elastic-Plastic Analysis of Frameworks, Glenn A. Morris and Steven J. Fenves, ST5:May 70:931:7293
TR:136:898
Elastic-Plastic Bending of Rectangular Plates, Gerald W. May and Kurt H. Gerstle, ST7:July 71:1863: 8237
Elastic Stability of Continuous Beams, Nicholas S. Trahair, ST6:June 69:1295:6632
TR:136:138
Element Stiffness Matrix Generator, Richard H. Gunderson and Ayhan Cetiner, ST1:Jan 71:363: 7842
Errors in Step Wise Solutions to Bridge Vibrations, David R. Schelling, ST10:Oct 70:2045:7600
TR:136:1192
Estimating Cracking Behavior of Metallic Structures, W. E. Anderson and Lee A. James, ST4:Apr 70: 773:7213
TR:136:889
Experiences with Interactive Computing System, LeRoy T. Boyer and John C. Casson, ST1:Jan 71: 289:7853
Experience with POL Environment, Edward L. Murphree and John W. Melin, ST1:Jan 71:301:7835
Experimental Stresses and Strains from Heat Curving, Roger L. Brockenbrough and Kenneth D. Ives, ST7:July 70:1305:7400
TR:136:989

XUM

Experimental Study of Flexural-Torsional Buckling, Alois J. Hartmann, ST7:July 70:1481:7414
TR:136:1325
Experimental Study of Lateral Buckling of Arches, Frank J. Tokarz, ST2:Feb 71:545:7893
Experiments on Nonsway Structural Subassemblages, Eugene L. Sheninger and Le-Wu Lu, ST3:Mar 70:573:7159
TR:136:834
Factors Affecting Durability of Ferrous Metals in the Atmosphere, Francis L. LaQue, ST11:Nov 69:2385:6890
TR:136:344
Failure Probabilities of Reinforced Concrete Beams, James F. Costello and Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324
Fatigue of A514 Steel in Bolted Connections, Peter C. Birkemoe, Donald F. Meinheit and William H. Munse, ST10:Oct 69:2011:6811
TR:136:255
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997
Fatigue Strength of Hybrid Plate Girders, A. Anthony Toprac and Murugesam Natarajan, ST4:Apr 71:1203:8069
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238
Fatigue Tests of Beams with Rectangular Web Holes, Ronald W. Frost and Robert E. Leffler, SM2:Feb 71:509:7913
Fatigue Tests of Prestressed Concrete I-Beams, John M. Hanson, Cornie L. Hulsbos and David A. VanHorn, ST11:Nov 70:2443:7705
Field Solutions for Shear Grids, Donald L. Dean, ST12:Dec 71:2845:8594
Finite-Difference Methods for Plate Vibration Problems, Harold J. Salane and Hudson Matlock, ST3:Mar 69:441:6477
TR:136:55
Finite Element Analysis of Hyperbolic Paraboloid Shells, Semih S. Tezcan, Krishna M. Agrawal and George Kostro, ST1:Jan 71:407:7847
Finite Element Analysis of Reinforced Concrete Slabs, Jan C. Jofriet and Gregory M. McNeice, ST3:Mar 71:785:7963
Finite-Element Analysis of Skewed Shallow Shells, David A. Pecknold and William C. Schnobrich, ST4:Apr 69:715:6523
TR:136:725
Finite Element on Elastic Foundation, Henry T.Y. Yang, ST10:Oct 70:2083:7604
Fire Intensity-Resistance Evaluation, Edward M. Krokosky, ST11:Nov 70:2501:7706
TR:136:1282
Flexural Members with Confined Concrete, Dudley Charles Kent and Robert Park, ST7:July 71:1969:8243
Flexural Rigidity of Concrete Column Sectione, Ian C. Medland and Donald A. Taylor, ST2:Feb 71:573:7933
Folded Plate Structures by Finite Strip Method, Yau-kai Cheung, ST12:Dec 69:2963:6985
TR:136:760
Force Method in Structural Dynamics, Ziad M. Elias, Preprint No.1374, Apr 71
Formulation of Decision Logic Tables, Jimmy L. Noland and Chuan C. Feng, ST1:Jan 71:439:7855
Formulation of Structural Reliability, James T.P. Yao and Hsiang-Yueh Yeh, ST12:Dec 69:2611:6939
TR:136:407
Fracture Analysis of King's Bridge, Melbourne, Ronald B. Madison and George R. Irwin, ST9:Sept 71:2229:8377
Framed Tube Structures for High-Rise Buildings, Alexander Coull and Nutan Kumar Subedi, ST8:Aug 71:2097:8301
Free Vibration of Two-Dimensional Frameworks, Karl-Robert Leimbach and Donald McDonald, ST2:Feb 70:267 [illegible]082
TR:136:558
Full-Size Lightweight Concrete Column4, Donald W. Pfeifer, ST2:Feb 71:495:7903
Further Studies of Inelastic Beam-Column Problem, Wai F. Chen, ST2:Feb 71:529:7922
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Glossary of Terms Pertaining to Structural Steel Engineering and Design, Ad Hoc Committee on Nomenclature, Administrative Committee on Metals of the Structural Division, Roland R. Graham, Jr., Chmn., ST8:Aug 71:2137:8322
Guide for the Design of Aluminum Formed-Sheet Building Sheathing, Robert B.B. Moorman, Chmn, ST8:Aug 69:1727:6744
TR:136:195
Handsome Civil Engineering Structures, CE:May 70:56
Dsc: Postcript to Handsome Structures Article, CE:Apr 71:96
TR:136:420
Hollow Tubular Beam-Columns in Biaxial Bending, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1399:8094
Horizontally Curved Bridges Subject to Moving Load, Paul P. Christiano and Charles G. Culver, ST8:Aug 69:1615:6713
TR:136:94
Horizontal Thermal Movement of Curved Bridge Decks, Heinz G. Juhl, ST10:Oct 70:2037:7590
How Safe Are Your Towers?, Joseph R. Arena, ST1:Jan 70:1:6994
TR:136:499
Hyperbolic Functions for Prestress Loss and Camber, Raouf Sinno and Howard L. Furr, ST4:Apr 70:803:7227
TR:136:876
Hypothesis for Shear Failure of Brickwork, Bryan Stafford Smith and Clifford Carter, ST4:Apr 71:1055:8029
Inelastic Analysis of Multistory Multibay Frames, Ronald J. Alvarez and Charles Birnstiel, ST11:Nov 69:2477:6922
TR:136:375
Inelastic Analysis of Suspension Roof Structures, Donald P. Greenberg, ST5:May 70:905:7284
Inelastic Flange Buckling of Curved Plate Girders, Charles G. Culver and Ghulam Nasir, ST4:Apr 71:1239:8072
Inelastic Stiffened Suspension Space Structures, John J. Jonatowski and Charles Birnstiel, ST6:June 70:1143:7364
TR:136:919
Influence of Soil Conditions on Building Damage Potential During Earthquakes, H. Bolton Seed and Izzat M. Idriss, ST2:Feb 71:639:7909
In-Plane Bending and Buckling of Arches, Walter J. Austin, ST5:May 71:1575:8130
Inspection of Steel Bridges For Fatigue Damage, by the Subcommittee on Inspection of Steel Bridges for Fatigue of the Task Committee on Structural Fatigue of the Structural Division, Ivan M. Viest, Chmn., ST8:Aug 71:2107:8321
Integrated System For RC Building Design, John M. Biggs, Peter J. Pahl and Harry N. Wenke, ST1:Jan 71:13:7816
Interaction of Aircraft and Ground Structure, Nai C. Yang, ST6:June 70:1119:7360
TR:136:938
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71:253:7832
Large Bolted and Riveted Shingle Splices, John W. Fisher and Noriaki Yoshida, ST9:Sept 70:1903:7534
TR:136:1049
Large Deflections of Curved Plates, Henry W. L. Lee and Conrad P. Heins, Jr., ST4:Apr 71:1143:8045
Lateral Buckling of Parabolic Arches with Tilting Loads, Shyam N. Shulka and Morris Ojalvo, ST6:June 71:1763:8209
Lateral-Load Analysis of Asymmetric Multistory Structures, Jacob Gluck, ST2:Feb 70:317:7089
TR:136:819

Limit Analysis of Structures, Dusan Krajcinovic, ST9: Sept 69:1901:6778
TR:136:229
Load Carrying Capacity of Simple Composite Columns, J. W. Roderick and D. F. Rogers, ST2: Feb 69:209:6412
TR:136:690
Load Distribution in Steel Railway Bridges, Wallace W. Sanders, Jr. and William H. Munse, ST12:Dec 69:2763:6952
TR:136:435
Local Instability of Horizontally Curved Members, Charles G. Culver and Ralph E. Frampton, ST2: Feb 70:245:7079
TR:136:553
Local Plastic Buckling of A514 Steel Members, John F. McDermott, ST9:Sept 69:1837:6761
TR:136:204
Long-Span Steel Deck Railroad Bridge, R. Wolchuk and J. C. Bridgefarmer, CE:Apr 70:71
TR:136:286
Main Cables of Newport Suspension Bridge, Blair Birdsall, ST12:Dec 71:2825:8606
Man-Oriented Program System for Engineering, George Rabe and Vincent A. Trossello, ST1:Jan 71: 223:7850
Matrix Force Analysis of Thin-Walled Structures, Dusan Krajcinovic, ST1:Jan 70:107:7024
TR:136:537
Mechanical Properties of Structural Cables, John B. Scalzi and William K. McGrath, ST12:Dec 71: 2837:8604
Minimum Weight Design of Light Gage Steel Members, Paul A. Seaburg and Charles G. Salmon, ST1:Jan 71:203:7830
Minimum Weight Design with Stability Constraint, Mehdi S. Zarghamee, ST8:Aug 70:1697:7486
TR:136:1268
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603
Model-free Design of Aseismic Structures, Rudolf F. Drenick, EM4:Aug 70:483:7496
TR:136:1046
Moment Redistribution in Precast Concrete Frame, Harold W. Conner, Paul H. Kaar and W. Gene Corley, ST3:Mar 70:637:7168
TR:136:858
Moment-Resistance Connections in Precast Concrete, Emile Langlois and Joseph Menec, Jr., ST12:Dec 69:2723:6947
TR:136:1108
Monte Carlo Study of Seismic Structural Safety, Paul H. Wirsching and James T. P. Yao, ST5:May 71: 1497:8118
Motar Models of Prestressed Concrete Reactor Vessels, James M. Corum, Richard N. White and Jack E. Smith, ST2:Feb 69:229:6419
TR:136:21
Natural Frequencies of Circular Arches, Joseph A. Wolf, Jr., ST9:Sept 71:2337:8393
Need For Diaphragms in Concrete Box Girders, Denison Campbell-Allen and Raymond J.L. Wedgwood, ST3:Mar 71:825:7965
New Books On Structural Analysis, CE:Nov 71:70
New Rectangular Finite Element for Shear Wall Analysis, Iain A. MacLeod, ST3:Mar 69:399:6464
TR:136:48
Nonlinear Analysis of Cable and Truss Structures, Frank Baron and Mahadeva S. Venkatesan, ST2: Feb 71:679:7937
Nonlinear Analysis of Pin-Jointed Space Trusses, Marcelo Epstein and Yair Tene, ST9:Sept 71:2189: 8357
Nonlinear Field Analysis of Structural Nets, R. Richard Avent, ST5:May 69:889:6556
TR:136:72
Nonlinear Formulations of Beam-Column Effects, Frank Baron and Mahadeva S. Venkatesan, ST4: Apr 71:1305:8080
Nonsymmetric Vibrations of Thin Cylindrical Shells, Chi-Wen Lin, ST10:Oct 70:2175:7632
Nonuniform Torsion of Composite Beams, Paul F. McManus and Charles G. Culver, ST6:June 69: 1233:6623
TR:136:10
Nonuniform Torsion of Steel Beams in Inelastic Range, Charles R. Farwell and Theodore V. Galambos, ST12:Dec 69:2813:6964
TR:136:785
Numerical Error in Structural Solutions, John R. Roy, ST4:Apr 71:1039:8036
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Optimization of Redundant Prestressed Structures, Leonard Spunt, ST12:Dec 70:2589:7755
Optimization of Truss Geometry, Michael W. Dobbs and Lewis P. Felton, ST10:Oct 69:2105:6797
TR:136:236
Optimum Beam Layout for Large Areas, Paul Grundy, ST8:Aug 71:2085:8304
Optimum Design of Reinforced Concrete Tanks, Robert E. Melchers and George I. N. Rozvany, EM6:Dec 70:1093:7739
Optimum Design of Trusses for Ultimate Loads, William S. LaPay and George G. Goble, ST1:Jan 71:157:7838
Optimum Elastic Design of Redundant Trusses, David Johnson and Derick M. Brotton, ST12:Dec 69:2589:6938
TR:136:399
Optimum Prestressed Tubular Columns, Ralph L. Barnett, ST2:Feb 70:291:7083
TR:136:564
Orthotropic Elastic Properties of Wood, James R. Goodman and Jozsef Bodig, ST11:Nov 70:2301: 7682
Overloads on Japan's 130 mph Railroad Structures, Tatsuo Nishiki and Shunta Shiraishi, ST6:June 70: 1017:7325
TR:136:945
Parallel Processing Approach to Bridge Planning, Andrew K.C. Wong and Tung Au, ST1:Jan 71:115: 7822
Parametric Matrices of Some Structural Members, Leon Ru-Liang Wang, ST8:Aug 70:1735:7494
TR:136:1026
Photoelastic Study of Beams on Elastic Foundations, August J. Durelli, Vincent J. Parks, Carson K.C. Mok and Han-Chow Lee, ST8:Aug 69:1713:6739
TR:136:110
Plastic Analysis of a Plate Sealing a Fluid, Richard H. Lance and David N. Robinson, EM6:Dec 70: 1183:7742
TR:136:1318
Plastic Analysis of Transversely Loaded Frames, Neil Jackson, ST8:Aug 71:2047:8284
Plastic Behavior of Beams with Reinforced Holes, Judith G. Congdon and Richard G. Redwood, ST9: Sept 70:1933:7561
TR:136:1043
Plastic Bending of A514 Steel Beams, John F. McDermott, ST9:Sept 69:1851:6762
TR:136:212
Plastic Design of Coupled Frame-Shear Wall Structures, Peter F. Adams and James G. MacGregor, ST9:Sept 70:1861:7505
Plastic Design of Multistory Frames by Computer, George C. Driscoll, James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
TR:136:509
Plastic Design of Multistory Steel Frames by Computer, Leroy Z. Emkin and William A. Litle, ST1:Nov 70:2373:7689
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Point-Matching Analysis of Curved Timber Beams, Ricardo O. Foschi, ST1:Jan 70:35:6998
TR:136:522
Ponding of Liquids on Flat Roofs, J. Chinn, A. H. Mansouri and Staley F. Adams, ST5:May 69:797: 6539
TR:136:66

XUM

Post-Elastic Deflection of Plates, Roger Hooke, ST4: Apr 70:757:7206
TR:136:904
Probability of Plastic Collapse Failure, James L. Jorgenson and John E. Goldberg, ST8:Aug 69:1743: 6751
TR:136:736
Procedure for Automating Aircraft Wing Structural Design, Gary L. Giles, ST1:Jan 71:99:7821
Progress Report on Steel Box Girder Bridges, Subcommittee on Box Girders of the ASCE-AASHO Task Committee on Flexural Members, Theodore V. Galambos, Chmn., ST4:Apr 71:1175: 8068
Properties of Pile Cushioning Materials, Thomas C. Edwards, Lee L. Lowery, Jr. and Teddy J. Hirsch, ST7:July 69:1431:6663
TR:136:169
Rational Design of Light Gage Beams, Jeffrey L. Bluestein and Atle Gjelsvik, ST7:July 70:1535:7421
Recorded Stress Histories in Railroad Bridges, Freeman P. Drew, ST12:Dec 68:2713:6288
TR:136:776
Rehabilitation of Offshore Platforms, John J. Givens and Greg Carter, CE:Apr 70:47
TR:136:333
Reinforced Concrete Beam-Column Connection, Eric F.P. Burnett and Rajendra P. Jajoo, ST9:Sept 71: 2315:8395
Reinforcement for Torque in Spandrel L-Beams, Umakanta Behera, K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
Relaxation Tests on Alloy Steel Bars, Murray A. Muspratt, ST5:May 71:1533:8128
Reliability Analysis of Frame Structures, John D. Stevenson and Fred Moses, ST11:Nov 70:2409: 7692
Reliability-Based Structural Design, Fred Moses and John D. Stevenson, ST2:Feb 70:221:7072
TR:136:547
Reliability of Redundant Cable System, Masaru Hoshiya, TN: ST11:Nov 71:2773:8490
Reliability Optimization in Isostatic Structures, Emilio Rosenblueth and Enrique Mendoza, EM6: Dec 71:1625:8584
Research On Steel-Concrete Composite Beams, R. Paul Johnson, ST3:Mar 70:445:7122
TR:136:597
Residual Stresses and Tubular Compression Members, Donald R. Sherman, ST3:Mar 71:891: 8001
Residual Stresses in Curved Laminated Wood Beams, John J. Zahn, ST12:Dec 69:2873:6977
TR:136:475
Response Computation Using Truncated Taylor Serier, Joseph E. Grant, EM2:Apr 71:295:8019
Response of Cooling Tower to Turbulent Wind, Noel J. Gardner, ST10:Oct 69:2057:6812
TR:136:273
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Response of Structures to Time-Varying Wind Loads, Arthur N. Chiu, ST2:Feb 70:381:7104
TR:136:585
Response of Triangular Prisms in Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, ST11:Nov 71: 2679:8526
Restrained Elastic Beam-Columns, Nicholas S. Trahair, ST12:Dec 69:2641:6941
TR:136:421
Reticulated Space Structures, James O. Crooker and Kenneth P. Buchert, ST3:Mar 70:687:7180
TR:136:854
Risk Evaluations for Offshore Structures, Peter W. Marshall, ST12:Dec 69:2907:6981
TR:136:480
Rotation Capacity of Beams Under Moment Gradient, A. F. Lukey and Peter F. Adams, ST6: June 69:1173:6599
TR:136:119
Safety Factors and Probability in Structural Design, Alfredo H.-S. Ang and Mohammad Amin, ST7:July 69:1389:6667
TR:136:161
Scenario for a Third Computer Revolution in Structural Engineering, Steven J. Fenves, ST1:Jan 71:3:7812
Seismic Design of Soil-Structure Systems, Richard A. Parmelee and John H. Wronkiewicz, ST10:Oct 71: 2503:8437
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Shakedown Tests on Steel Bars and Beams, Dale G. Eyre and Theodore V. Galambos, ST7:July 70: 1287:7395
TR:136:969
Shear Lag in Stiffened Box Girders, David J. Malcolm and Richard G. Redwood, ST7:July 70: 1403:7409
Shear Strength of Reinforced Concrete Beams, Bengt B. Broms, ST6:June 69:1339:6636
TR:136:148
Shrinkage and Shrinkage Restraints in Concrete Pavements, Shigeyoshi Nagataki, ST7:July 70:1333: 7402
Significance and Application of Stub Column Test Results, Ching K. Yu and Lambert Tall, ST7:July 71:1841:8231
Simply Supported Rectangular Double-Layered Grids, M. J.L. Hussey, A. I. Tarza and W. F.D. Theron, ST3:Mar 71:753:7954
Simulated Seismic Loading of Spandrel Beams, Thomas Paulay, ST9:Sept 71:2407:8365
Slabs with Variable Straight Reinforcement, George I. N. Rozvany and Donald E. Charrett, ST5:May 71: 1521:8095
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729: 8544
Solution of Elastic Plates by Invariant Imbedding, Nestor Distefano and Jaime Schujman, EM5:Oct 71:1349:8424
Southwell Plot for Beam-Columns, Robert H. Leicester, EM6:Dec 70:945:7750
TR:136:1260
Spaced Steel Columns, Bruce G. Johnston, ST5:May 71:1465:8109
Spandrel-Slab Interaction, Mario G. Salvadori, ST1: Jan 70:89:7017
TR:136:810
Specs-A Specification Production Computer System, Joseph M. Sussman, Robert D. Logcher and Howard D. Stotland, ST1:Jan 71:425:7844
Stability and Load Capacity of Members with No Tensile Strength, Felix Y. Yokel, ST7:July 71:1913: 8253
Stability of Shells by Parametric Differentiation, S. K. Radhamohan, Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216
Stability Problems of Wood Truss Bridge, Oscar M. Hahn, ST2:Feb 70:353:7095
TR:136:804
Static Ending Strain in Stranded Conductor, James C. Poffenberger and Puran R. Mehta, ST11:Nov 70: 2429:7687
TR:136:1332
Static Model Tests of Curved Girder Bridge, Charles G. Culver and Paul P. Christiano, ST8:Aug 69: 1599:6712
TR:136:84
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Statistical Methods in Structural Fatigue, Paul H. Wirsching and James T. P. Yao, ST6:June 70:1201: 7377
TR:136:966
Stiffness Matrix for Sandwich Folded Plates, G. M. Folie, ST2:Feb 71:603:7925
Stirrup Effectiveness in RC Beams with Axial Force, Munther J. Haddadin and Alan H. Mattock, ST9: Sept 71:2277:8394

Strain in Brick Wall of Five-Story Building, J. G. Stockbridge, ST12:Dec 69:2955:6979
TR:136:793
Strength of Concrete Filled Steel Tubular Columns, Robert B. Knowles and Robert Park, ST12:Dec 69:2565:6936
TR:136:752
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593:8143
Strength of Steel Columns with Biaxially Eccentric Load, Satya S. Sharma and Edwin H. Gaylord, ST12:Dec 69:2797:6960
TR:136:457
Stress Distribution in Castellated Beams, James A. Mandel, Paul J. Brennan, Benjamin A. Wasil and Charles M. Antoni, ST7:July 71:1947:8260
Structural Analysis by Computer Graphics, William F. Bates, Jr., ST11:Nov 69:2433:6914
TR:136:1099
Structural and Foundation Computer-Based Design, Richard F. Harig and Daniel J. McDermott, ST1:Jan 71:315:7843
Structural Behavior of Concrete Arch Culvert, Raymond Eugene Davis, ST12:Dec 69:2665:6942
TR:136:430
Structural Behavior of Prestressed Concrete Reactor Vessels, Stanley L. Paul, ST7:July 71:1879:8249
Structural Dampers, P. Mahmoodi, ST8:Aug 69:1661:6725
TR:136:98
Structural Design of Wells Hydrocombine, C. C. Wang, PO2:Mar 71:281:7980
Structural Reaction Dynamometers, M. Daniel Vanderbilt, ST6:June 71:1701:8188
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063
Structural Timber Research at Forest Products Lab, Fred Werren, ST12:Dec 69:2891:6980
TR:136:491
Structure And Foundation Interaction Theory, Ian K. Lee and Howard B. Harrison, ST2:Feb 70:177:7059
TR:136:827
Structure-ground Interaction in Earthquakes, Johann H. Rainer, EM5:Oct 71:1431:8422
Study of Suspended Roof Model, Prem Krishna and Tej P. Agarwal, ST6:June 71:1671:8168
Substructure Analysis by Matrix Decomposition, Richard Rosen and Moshe F. Rubinstein, ST3:Mar 70:663:7169
TR:136:862
Suggested Design Guides for Beams with Web Holes, by the Subcommittee on Beams with Web Openings of the Task Committee on Flexural Members of the Structural Division, John E. Bower, Chmn., ST11:Nov 71:2707:8536
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Sustained Biaxial Load on Slender Concrete Columns, Robert G. Drysdale and Mark W. Huggins, ST5:May 71:1423:8103
Systems Analysis Method for Pavement Structures, William Ronald Hudson, Benjamin F. McCullough, Frank H. Scrivner and Gary Carey, ST1:Jan 71:81:7852
Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476
Tangent Stiffness Matrix for Space Frame Members, Semih S. Tezcan and Bijay C. Mahapatra, ST6:June 69:1257:6627
TR:136:730
Tapered Box Girders of Deformable Cross Section, Vladimir Kristek, ST8:Aug 70:1761:7489
TR:136:999
Technique for Interactive Computer Graphics in Design, Richard Douty and Sidney Shore, ST1:Jan 71:273:7837
Temperature Rises in Low-Heat Cement Concrete, Barry P. Hughes, ST12:Dec 71:2807:8588
Tests of Gusset Plate Models, Desi D . Vasarhelyi, ST2:Feb 71:665:7901
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71:1097:8031
Theoretical Analysis of Suspension Roofs, Saafan A. Saafan, ST2:Feb 70:393:7107
TR:136:588
Theoretical Lateral Resistance of Nailed Joints, Thomas Lee Wilkinson, ST5:May 71:1381:8121
Theoretical Stresses and Strains from Heat Curving, Roger L Brockenbrough, ST7:July 70:1421:7410
TR:136:1005
Theory of Nonlinear Elastic Structures, Graham H. Powell, ST12:Dec 69:2687:6943
TR:136:766
Thin Aluminum Shear Webt, Maurice L. Sharp and John W. Clark, ST4:Apr 71:1021:8048
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108
Time Dependent Behavior of Concrete Beams, John D. Mozer, Kurt H. Gerstle and Leonard G. Tulin, ST3:Mar 70:597:7157
TR:136:623
Torsion Analysis of Heavy Box Beams in Structures, Frederick A. Smith, Jr., Francis M. Thomas and James O. Smith, ST3:Mar 70:613:7165
TR:136:842
Torsion, Bending and Shear in Prestressed Concrete, Priya R. Mukherjee and Joseph Warwaruk, ST4:Apr 71:1063:8041
Torsion of Perforated Concrete Shafts, Riko Rosman, ST5:May 69:991:6578
TR:136:115
Torsion, Shear, and Bending on Stirruped L-Beams, Umakanta Behera and Phil M Ferguson, ST7:July 70:1271:7419
Tower: Design System for Guyed Towers, Karl L. Reichelt, Dan M. Brown and John W. Melin, ST1:Jan 71:237:7836
Treatment of Peak Gusts on Cladding, W. Alan Dalgliesh, ST9:Sept 71:2173:8356
Tubular Sections in Highway Structures, Richard N. White, HW2:Nov 68:161:6227
TR:136:706
Two-Dimensional Cable Analysis, George R. Buchanan, ST7:July 70:1581:7436
TR:136:1021
Two Nonlinear Beams with Definitions of Ductility, Melbourne F. Giberson, ST2:Feb 69:137:6377
TR:136:799
Ultimate Biaxial Capacity of Boxed Steel Columns, Peter J. Marshall and John S. Ellis, ST9:Sept 70:1873:7515
TR:136:1040
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133
Uniqueness Theorem for Nonlinear Plane Frames, Om Dutt and Niels C. Lind, ST6:June 70:1061:7330
TR:136:1306
Vibrational Characteristics of Linear Space Frames, William D. Whetstone and Charles E. Jones, ST10:Oct 69:2077:6821
TR:136:297
Vibration Analysis of Pump Discharge Lines, Jesse M. Diaz and Ravinder K. Jain, HY11:Nov 70:2279:7678
TR:136:1286
Vibration of Chimney Supported on Elevated Concrete Slab, Elias G. Abu-Saba, ST2:Feb 71:619:7936
Vibrations of Stacks Supported on Steel Structures, Anthony Morrone, ST12:Dec 69:2831:6965
TR:136:459
Vibrations of Timoshenko Beams and Frameworks, Franklin Y. Cheng, ST3:Mar 70:551:7155
TR:136:866

XUM

What Do We Know About Torsion in Concrete Members, Paul Zia, ST6:June 70:1185:7372
TR:136:1313
Wind Deflection of Tall Concrete Frame Buildings, John F. Wiss and Otto E. Curth, ST7:July 70:1461:7413
Wind Induced Vibration in Light Poles, Hayes E. Ross, Jr. and Thomas C. Edwards, ST6:June 70:1221:7383
TR:136:986
World's Largest Log-Periodic Antenna, Yen H. Dong, ST9:Sept 71:2371:8400
The 1970's: Civil Engineering Forecast-Part II, Kneeland A. Godfrey, Jr., CE:May 70:41
TR:136:395

Structural Forms
Cellular Steel Floors Mature, Eugene E. Dallaire, CE:July 71:70
Concrete Deep Submergence Hollow Shell Structures, Jerry D. Stachiw, ST12:Dec 69:2931:6982
TR:136:496
Precast Concrete Panels Cut Cost of Apartment Complex, Zivan Cohen, CE:May 71:48
Sydney Opera House, O. N. Arup and Gerd J. Zunz, CE:Dec 71:50

Structural Members
Behavior of Laced and Battened Structural Members, Fung J. Lin, Ernst C. Glauser and Bruce G. Johnston, ST7:July 70:1377:7404
TR:136:980
Cumulative Damage Theories and Application, J. E. Stallmeyer and William Hamilton Walker, ST12:Dec 68:2739:6290
TR:136:6
Strength of Structural Members Subjected to Fires, Charles G. Culver, Preprint No.1542, Oct 71
Thin Laminates with Homogeneous Elastic Properties, Joel I. Abrams and Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327

Structural Models
Model Analysis of Curved Box-Beam Highway Bridge, Ish K. Aneja and Frederic Roll, ST12:Dec 71:2861:8603

Structural Steel
Big Steel-Truss Roof Welded on Ground, Lifted into Position, Gene W. Jones, CE:Oct 69:42
TR:136:6
Glossary of Terms Pertaining to Structural Steel Engineering and Design, Ad Hoc Committee on Nomenclature, Administrative Committee on Metals of the Structural Division, Roland R. Graham, Jr., Chmn., ST8:Aug 71:2137:8322

Structural Steels
Behavior of Laced and Battened Structural Members, Fung J. Lin, Ernst C. Glauser and Bruce G. Johnston, ST7:July 70:1377:7404
TR:136:980
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997
New Microwave Tower Design Reduces Drag, Demetri Zavitzianos, CE:Mar 71:46
Dsc: Donald W. Rose, CE:July 71:66

Structures
The Allowable Settlement of Structures, Hugh Q. Golder, 4PCSM:pp.171-187, 1971
Aluminum Space Structures in Hungary, Istvan Kadar, Preprint No.1370, Apr 71
Analysis of Inelastic Suspension Structures, Thomas M. Murray and Nicholas Willems, ST12:Dec 71:2791:8574
Automatic Design of Shell Structures, Peter G. Smith and Edward L. Wilson, ST1:Jan 71:191:7825
Bridge Engineer Looks at Esthetics of Structures, Reece H. Wengenroth, ST4:Apr 71:1227:8074
Collapse Load Analysis Using Linear Programming, Donald E. Grierson and Graham M. L. Gladwell, ST5:May 71:1561:8127
Construction and Operation of Wells Dam, Joseph Anderson and Lee A. Wyngaard, PO2:Feb 71:335:7975
Nondeterministic Analysis of Offshore Structures, Anil K. Malhotra and Joseph Penzien, EM6:Dec 70:985:7777
Replacement-Lock and Dam No. 26: Condition of Existing Structure, Daniel P. Marshall, Jr., WW1:Feb 70:27:7097
TR:136:477
Replacement-Lock and Dam No. 26: Plans Considered, Richard C. Armstrong, WW1:Feb 70:49:7071
TR:136:418
Safety Factors and Probability in Structural Design, Alfredo H.-S. Ang and Mohammad Amin, ST7:July 69:1389:6667
TR:136:161

Struts
A Numerical Technique for Elastica Problems, John V. Huddleston, EM5:Oct 68:1159:6182
TR:136:654
Predicted Performance of a Braced Excavation, Hugh Q. Golder, James P. Gould, T. William Lambe, Gregory P. Tschebotarioff and Stanley D. Wilson, SM3:May 70:801:7292
TR:136:928

Students
CE Students Learn Through Socially Useful Projects, Fred W. Lamar, CE:Jan 71:60
Role of Engineering Students in the Community, Terry M. Dolan, Preprint No.1455, July 71
Students Tackle Pollution Problems, Darrell J. Turner, CE:Sept 70:51
Dsc: M. S. Misra, CE:Jan 71:64
TR:136:694

Studs
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
Composite Beams with Partial Connection, Hugh Robinson and I. W. Wallace, Preprint No.1549, Oct 71
Influence of the Stud on Composite Beam Behavior, Neil M. Hawkins, Preprint No.1543, Oct 71

Subdivisions
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Coordinates Versus Confusion, Robert T. Howe, SU2:Sept 70:191:7528
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Residential-Recreation Development, Alan T. Hill, CE:Dec 71:60

Subgrade
Model Study of Laterally Loaded Piles, Melvin T. Davisson and James R. Salley, SM5:Sept 70:1605:7511

Submerged Flow
Energy Loss Analysis for Open Channel Expansions, Gaylord V. Skogerboe, HY10:Oct 71:1719:8464

Subsidence
Mine Grouting to Control Building Settlement, Charles I. Mansur and Marion C. Skouby, SM2:Mar 70:511:7166
TR:136:617
Mine Subsidence and Support Methods in Pittsburgh Area, Richard E. Gray and James F. Meyers, SM4:July 70:1267:7407
TR:136:992

Peat and Muck Drainage Problems, John C. Stephens, IR2:June 69:285:6603
TR:136:1098
State of Predictive Art in Subsidence Engineering, Barry Voight and William Pariseau, SM2:Mar 70: 721:7187
TR:136:890

Subsurface Drainage
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405
Interceptor Drains in Heavy Clay Soils, Malcolm L. Steinberg, TE1:Feb 70:1:7066
TR:136:683

Subsurface Irrigation
Subsurface Irrigation Easily Automated, Sterling Davis and Sheldon D. Nelson, IR1:Mar 70:47:7135
TR:136:483

Subsurface Structures
Blast Loaded Buried Arches, Jimmy P. Balsara, EM1: Feb 70:1:7058
TR:136:478
Challenge Of Underground Transmission and Distribution, David W. Gilman and Edward J. Steeve, PO1:Jan 71:151:7827
Chemical Grouting for Paris Rapid Transit Tunnels, Jean J. Janin and Guy F. Le Sciellour, CO1:June 70:61:7382
TR:136:530
Difficult Excavation at Carley Porter Tunnel, Paul J. Varello, CE:June 70:66
TR:136:478
Earthquake Design Criteria for Subways, Thomas R. Kuesel, ST6:June 69:1213:6616
TR:136:718
Edward Hyatt (Orville) Underground Power Plant, Alfred R. Golze, PO2:Mar 71:419:7950
Research Programs on Pipeline Crossings, William F. Quinn, TE3:Aug 70:283:7457
TR:136:988
Rock Stabilization at Morrow Point Power Plant, Gilbert L. Brown, Ernest D. Morgan and Jerry S. Dodd, SM1:Jan 71:119:7820
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Subsurface Waters
Interceptor Drains in Heavy Clay Soils, Malcolm L. Steinberg, TE1:Feb 70:1:7066
TR:136:683

Subways
Curbside Service Subways, Charles J. Swet, Preprint No.1518, July 71
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Earthquake Design Criteria for Subways, Thomas R. Kuesel, ST6:June 69:1213:6616
TR:136:718
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Planning for the Metro, Thomas B. Deen, TE3:Aug 70:349:7476
TR:136:1136
Precast Concrete Tunnel Linings for Toronto Subway, John V. Barlett, CO2:Nov 71:241:8498
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The Urban Transportation / Innovation Problem: Can New Concepts Help? - The Institutional Response, Michael Cafferty, UTI:pp.19-41, 1971

Sugarcane
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
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Bactericidal Properties of Chlorsulfamates, John E. Delaney and J. Carrell Morris, NSCD:pp.61-84, 1971

Sulfonates
Lignosulphonates in Lake Paijanne Water, Seppo Priha, SA2:Apr 71:191:8021

Superstructures
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533

Supports
Beams on Discrete, Nonlinear Elastic Supports, Aylmer P. Cheng and Howard L. Furr, ST11:Nov 69:2335:6873
TR:136:669
Cement Stabilized Fill for Conduit Support, Richard B. Catanach and Thomas N. McDaniel, TN: SM6: June 71:959:8162
Designing Power Lines for Flexible Supports, Jordan Lummis and Robert A. Fiss, Preprint No.1362, Apr 71
School Buildings Feature Polygon Shape, German Gurfinkel, CE:Dec 70:31
TR:136:1184

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Foundation Precompression With Vertical Sand Drains, Stanley J. Johnson, SM1:Jan 70:145:7019
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Surface Irrigation
Automatic Cutback Furrow Irrigation System Design, Ion Nicolaescu and E. Gordon Kruse, IR3:Sept 71: 343:8358
Automation of Surface Irrigation Systems, Howard R. Haise and Gordon E. Kruse, IR4:Dec 69:503:6969
TR:136:248
Optimal Design of Furrow Length of Surface Irrigation, I-pai Wu and Tung Liang, IR3:Sept 70: 319:7543
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TR:136:813

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Surface Oscillations in a Water Tank Caused by a Submerged Jet, Juan B. Font, Omar Azpurua and Flora Aranguren, 12CEC:pp.2243-2250, 1971

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Manning n for Cast-in-Place Concrete Pipe, Thomas T. Wilson, Jr. and Edib Kirdar, HY3:May 69:995: 6575
TR:136:132

Surface Runoff
Formulation of Mathematical Watershed-Flow Model, Cheng-lung Chen and Ven Te Chow, EM3: June 71:809:8199

XUM

Surface Waters
Total Dollar Benefit of Water Pollution Control, Nelson L. Nemerow and Robert C. Faro, SA3:June 70:665:7323
TR:136:1220

Surges
Graphical and Computer Analysis of Tailrace Surges, C. Samuel Martin, PO3:July 71:697:8261
Pressure Surge Attenuation Utilizing an Air Chamber, Don J. Wood, HY5:May 70:1143:7267
TR:136:1299

Surge Tanks
Reinforcing Steel for Penstock Wye Branch, Ekenneth E. Sorensen, PO2:Oct 69:217:6830
TR:136:163
Stability of Oscillations in Simple Surge Tank, Eugen Ruus, HY5:Sept 69:1577:6773
TR:136:213
Surge Tank Stability By Phase Plane Method, Mohammad Hanif Chaudhry and Eugen Ruus, HY4:Apr 71:489:8044

Surveying
Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71:321:8545
Airphoto Interpretation of Flood Plain Soils, Ralph W. Kiefer, SU1:Oct 69:49:6819
TR:136:417
Barometric Leveling Analysis, James D. Gruendler, Frederick P. Thomack and James L. Clapp, Preprint No.1336, Jan 71
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
Gravity and Gradients of Long Tunnels, H. S. Williams, SU1:Oct 69:11:6815
TR:136:205
High Precision Levels with Automatic Instruments, Elmer F. Kulp, SU2:Sept 70:121:7514
TR:136:812
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
Hydrographic Survey Techniques on Mississippi, Otis T. Welch, SU1:May 71:109:8123
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Laser Multilateration, Theodore H. Wirtanen, SU1:Oct 69:81:6843
TR:136:529
Lateral Refraction in Proximity of Structures, Ron K.H. Adler and Haim B. Papo, SU1:Oct 69:93:6846
TR:136:643
Mississippi Valley Mapping, Leslie B. Robison, SU1:May 71:103:8102
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Rounds Versus Positions, Mohamed F. Madkour, SU1:Oct 69:151:6862
TR:136:679
Status Report of Survey and Mapping Division, William A. White, Preprint No.1318, Jan 71
Surveying Responsibility of the Engineer-Manager, Daniel J. Watkins, SU1:May 71:1:8101
Surveys and Mapping in Water Resource Development, Kerry F. Pitts, SU1:May 71:69:8088

Surveying Instruments
Advancing Technology in Electronic Surveying, Charles G. Romaniello, SU2:Sept 70:287:7566
TR:136:1008
Aerial Color Analyses of Water Quality, Kenneth R. Piech and J. E. Walker, SU2:Nov 71:185:8507
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
DI-10 Distomat System, E. Kenneth Reynolds, SU2:Sept 70:137:7518
TR:136:829
Equipment for Field Deformation Measurements, C. John Dunnicliff, 4PCSM:pp.319-332, 1971
Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550
New Distance Measuring Instruments, Raymond W. Tomlinson, SU2:Sept 70:149:7521
TR:136:868
New Zeiss Electro-Optical Instrumentation, Dieter F. Schellens, SU2:Sept 70:173:7526
TR:136:905
Short-range EDM: Big Boost for Surveyors, Eugene E. Dallaire, CE:Feb 71:69
Surveys for South Shore Rapid Transit Construction, Alfred J. Pacelli, SU1:May 71:133:8148
Tellurometer Ground Swing Over Ice Surface, Thomas A. Asbeck and James L. Clapp, SU1:May 71:53:8149

Surveys
Absolute Orientation of Photogrammetric Model, S. K. Mahajan and Vijay Singh, SU2:Nov 71:237:8519
Advancing Technology in Electronic Surveying, Charles G. Romaniello, SU2:Sept 70:287:7566
TR:136:1008
Aerial Color Analyses of Water Quality, Kenneth R. Piech and J. E. Walker, SU2:Nov 71:185:8507
Analytical Plotter System, James R. Skidmore, SU2:Sept 70:253:7559
TR:136:987
Applications of Airborne Remote Sensing Technology, Ralph W. Kiefer and James P. Scherz, SU1:Apr 70:57:7225
TR:136:781
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, SU2:Nov 71:287:8538
Barometric Leveling Analysis, James D. Gruendler, Frederick P. Thomack and James L. Clapp, Preprint No.1336, Jan 71
Causes of Delay in the Construction Industry, John R. Baldwin, James M. Manthei, Harold Rothbart and Robert B. Harris, CO2:Nov 71:177:8501
Channel Rectification Engineering Survey Program, John M. Shields, SU1:May 71:61:8119
Chart Compilation-Field and Office, William J. Monteith, SU2:Sept 70:157:7522
TR:136:885
Construction Control by Programmetric Methods, George P. Katibah, SU1:Oct 69:1:6809
TR:136:1084
Control of Tunneling Machines by "TunneLaser" System, George P. Colson, CE:Feb 70:55
TR:136:82
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
Development of Tunneling Methods and Controls, Ellis L. Armstrong, CO2:Oct 70:99:7577
Evaluation of Barometric Leveling, James D. Gruendler, James L. Clapp and Paul R. Wolf, SU1:Apr 70:1:7195
TR:136:702
Explicit Approach to Exterior Orientation, S. K. Mahajan, SU2:Nov 71:251:8518
Geodetic Computations by Electronic Computer, Gerald F. Clohecy, SU1:May 71:97:8105
High Precision Levels with Automatic Instruments, Elmer F. Kulp, SU2:Sept 70:121:7514
TR:136:812
How Land Surveying is Being Modernized, Robert T. Howe, Preprint No.1312, Jan 71
Land Acquistion Surveys and Maps for Reservoirs, Russell S. Dittmer, SU2:Nov 71:215:8500
Laser Alignment Techniques Utilized in Tunneling, Austin Cooney, SU2:Sept 70:229:7545
TR:136:967
Map Control by Electronic Surveys, William A. McLaughlin, SU1:Apr 70:81:7226
TR:136:1146
Mapping for Changing Environment, Morris M. Thompson, SU1:Oct 69:35:6818
TR:136:339

Mapping from Space, Alden P. Colvocoresses, SU1: May 71:125:8137
Measuring Building Movement by Precise Survey, J. David Reynolds and John A. Dearinger, SU1:Apr 70:87:7228
TR:136:1069
Modern Day Surveys for Highway Location and Design, Jon S. Beazley, SU1:Apr 70:11:7196
TR:136:727
Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550
National Mapping for Urban Areas, Robert H. Lyddan, SU2:Sept 70:143:7520
TR:136:849
New Distance Measuring Instruments, Raymond W. Tomlinson, SU2:Sept 70:149:7521
TR:136:868
A New Philosophy on Preservation of Survey Evidence, R. B. Buckner, SU2:Sept 70:213:7540
TR:136:925
Orthophotomapping for Prudhoe Bay Development, Thomas J. O'Brien, SU2:Nov 71:199:8499
Philadelphia-Lindenwold High-Speed Line Surveys, Carl E. Hultin, SU1:May 71:7:8096
Photogrammetric Surveying in Highway Programs, James E. Newman, SU2:Nov 71:297:8539
Reconnaissance for Dam Sites in Remote Areas, Vernon E. Swanson, SU1:Apr 70:97:7244
TR:136:1119
Regional Control Supplied by Photogrammetry, G. Carper Tewinkel, SU1:May 71:13:8136
Reliability of Refraction in Polar Astronavigation, Gerald W. Johnson and James L. Clapp, SU2:Nov 71:165:8502
Right-of-Way Surveys, Joe A. Hicks, Jr., SU2:Sept 68:227:6121
TR:136:576
Rigorous Formulas for Effects of Weight Changes, Mohamed F. Madkour, SU2:Nov 71:173:8514
Seafloor Surveying by Divers, John B. Ciani, E. Kent Hunter, George B. Dowling and David M. Bunk, SU2:Nov 71:149:8496
Solar Astronavigation in High Latitudes, Gerald W. Johnson and James L. Clapp, SU1:May 71:27:8139
Space Resection from Collinearity Conditions, Kunwar K. Rampal, SU2:Nov 71:205:8520
Status Report of Survey and Mapping Division, William A. White, Preprint No.1318, Jan 71
Status Report of Surveying and Mapping Division, William A. White, SU2:Nov 71:267:8532
The Survey Engineer - A Rare Species, Arthur J. McNair, SU1:Apr 70:37:7197
TR:136:1135
Surveying Responsibility of the Engineer-Manager, Daniel J. Watkins, SU1:May 71:1:8101
Surveys for South Shore Rapid Transit Construction, Alfred J. Pacelli, SU1:May 71:133:8148
Tachemetry in Survey Engineering, Joe E. Colcord, SU1:May 71:39:8141
Television Display of Topographic Maps, Kam W. Wong and Nick G. Yacoumelos, SU2:Nov 71:273:8531
Topographic Maps for Construction Planning, Robert H. Lyddan, SU1:Apr 70:51:7221
TR:136:762

Suspended Load
Mixed Liquor Solids Separation by Flotation, Michael C. Mulbarger and Donald D. Huffman, SA4:Aug 70:861:7447
TR:136:983
Suspended Load Calculations in a Tidal Estuary, Brian A. O'Connor, 12CEC:pp.1931-1950, 1971

Suspended Sediments
Physical Behavior of Flocculent Suspensions in Upflow, James C. Brown and Enrique LaMotta, SA2:Apr 71:209:8054

Suspended Structures
Cable-Suspended Roof Construction State-of-the-Art, Subcommittee on Cable-Suspended Roof Structures of the Task Committee on Special Structures of the Committee on Metals of the Structural Division, John B. Scalzi, Chmn., ST6:June 71:1715:8190
Sanitary Sewer Extension Built Above Ground, R. Andrew Easley, Jr., CE:Apr 71:66
Study of Suspended Roof Model, Prem Krishna and Tej P. Agarwal, ST6:June 71:1671:8168
Theoretical Analysis of Suspension Roofs, Saafan A. Saafan, ST2:Feb 70:393:7107
TR:136:588

Suspension
Active Control of Vehicle Air Cushion Suspensions, D. A. Hullender, D. N. Wormley and H. H. Richardson, Preprint No.1499, July 71
Advanced Passenger Train, A. H. Wickens, Preprint No.1461, July 71
Nonequilibrium Transport of Suspended Sediment, Allen T. Hjelmfelt and Charles W. Lenau, HY7: July 70:1567:7430

Swamps
Sand Fill Pumped 15 Miles for Interstate Construction, John W. Sill, CE:Feb 71:44

Swelling
Building Damage From Expansive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, SM6:Nov 69:1325:6879
TR:136:743
Building Damage from Extensive Steel Slag Backfill, Carl B. Crawford and Kenneth N. Burn, PISST: pp.235-244, 1971
Upgrading Overseas Construction Contracts, Bud A. Brakey, CE:Dec 70:48
TR:136:1216

Swelling Pressure
Aging Effects on Swell Potential of Compacted Clays, Gabriel Kassiff and Raphael Baker, SM3: Mar 71:529:7951

Systems
Television Display of Topographic Maps, Kam W. Wong and Nick G. Yacoumelos, SU2:Nov 71:273:8531
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343

Systems Analysis
Analyzing Urban Transporatation Innovations, Joseph L. Schofer, UTI:pp.187-206, 1971
Application of an Airfield Surface System Model, Donald Maddison, Preprint No.1492, July 71
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TR:136:1131

XUM

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Systematic Analysis of Airport Congestion as a Constraint on Air Travel, George N. Bower and J. Robert Bennett, Preprint No.1496, July 71
Systems Analysis Method for Pavement Structures, William Ronald Hudson, Benjamin F. McCullough, Frank H. Scrivner and Gary Carey, ST1:Jan 71:81: 7852
Systems Analysis of Water Distribution Networks, Richard de Neufville, John C. Schaake, Jr. and Joseph H. Stafford, SA6:Dec 71:825:8575
Systems Analyst's View of Noise and Urban Planning, Martin Wachs and Joseph L. Schofer, UP2:Oct 70:147:7639
TR:136:948
Systems Approach and the Civil Engineer, Kenneth W. Heathington and R. Brian Bonton, PP1:Oct 71: 65:8457
Systems Problems in Freeway Traffic Control and Surveillance, Harold J. Payne, Preprint No.1511, July 71
Technological Forecasting and Morphological Analysis, S. R. Fields, Preprint No.1475, July 71
The Urban Transportation / Innovation Problem: Can New Concepts Help? - The Institutional Response, Michael Cafferty, UTI:pp.19-41, 1971
Water Reuse Systems Analysis, A. Bruce Bishop and David W. Hendricks, SA1:Feb 71:41:7898

Systems Engineering

Airfield Pavement Systems, E. Lile Murphee, Jr., Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283
The Comprehensive Plan in Transportation Planning, Kurt W. Bauer, TE3:July 70:421:7493
Design Capacities to Accommodate Forecast Uncertainties, Paul M. Berthouex and Lawrence B. Polkowski, SA5:Oct 70:1183:7633
TR:136:1180
Design Conduit System By Dynamic Programming, Rex K. Liang, CO1:Mar 71:383:7998
Design Conduit System by Dynamic Programming, Tung Liang, HY3:Mar 71:7988
Dynamic Programming for Conjunction Water Use, Gert Aron and Verne H. Scott, HY5:May 71:705: 8145
Environment by Design, William L. Slayton, CE:Oct 71:85
General Hydrologic System Model, Ven Te Chow and V. C. Kulandaiswamy, HY6:June 71:791:8176
Location Models: Solid Waste Collection Example, David H. Marks and Jon C. Liebman, UP1:Apr 71: 15:8027
Model For Farm Irrigation in Humid Areas, James S. Windsor, IR3:Sept 71:369:8355
Monte Carlo Simulation of Industrial Waste Discharges, Paul M. Berthouex and Linfield C. Brown, SA5:Oct 69:887:6836
TR:136:318
Multi-Discipline Case Study Approach to Education in Project Planning, William S. Gaither and Dennis R. Neuzil, CE:Dec 70:35
TR:136:1197
Multiservice Transport Systems for Urban Mobility, Leon Monroe Cole, UP1:Apr 71:31:8025
Optimal Multifunctional Material Systems, Edward M. Krokosky, EM2:Apr 71:559:8077
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
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Origin, Purpose, and Status of Project, Robert A. Nelson, TE4:Nov 70:439:7655
TR:136:1244
Planning for Memphis Medical Center Traffic and Parking, William H. Claire and Randall A.P. Johnson, TE1:Feb 71:51:7882
Plastic Liners for CANDU Containment Structures, E. C. Smith, ST10:Oct 71:2583:8435
Reservoir System Design Optimization, Richard J. Butsch, HY1:Jan 70:125:7023
TR:136:408
Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280
State of the Art-Urban Transportation Systems, Donald O. Eisele, TE3:Aug 69:439:6729
TR:136:50
System Optimization of Waste Treatment Plant Process Design, Chia Shun Shih and John A. DeFilippi, SA2:Apr 70:409:7230
TR:136:846
Systems Approach and the Civil Engineer, Kenneth W. Heathington and R. Brian Bonton, PP1:Oct 71: 65:8457
Systems Approach to Choice in Transport Technology, Edward J. Ward, TE4:Nov 70:455: 7656
TR:136:1248
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3: Aug 69:395:6750
TR:136:1092
Systems Innovations for Urban Transportation, Robert A. Burco and Clark D. Handerson, TE2: May 71:205:8126
Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476
Time-Capacity Expansion of Waste Treatment Systems, Thomas M. Rachford, Russell F. Scarato and George Tchobanoglous, SA6:Dec 69:1063:6957
TR:136:304
Water Reuse Systems Analysis, A. Bruce Bishop and David W. Hendricks, SA1:Feb 71:41:7898
The 1970's: Civil Engineering Forecast-Part II, Kneeland A. Godfrey, Jr., CE:May 70:41
TR:136:395

Tables (Data)

Design Tables for Composite Columns, Richard W. Furlong, Preprint No.1531, Oct 71

Tabulation Processes

Formulation of Decision Logic Tables, Jimmy L. Noland and Chuan C. Feng, ST1:Jan 71:439:7855

Tachometers

Tachemetry in Survey Engineering, Joe E. Colcord, SU1:May 71:39:8141

Tailrace

Graphical and Computer Analysis of Tailrace Surges, C. Samuel Martin, PO3:July 71:697:8261

Tailwater

Tailwater Encroachment, David N. Raffel, PO2:Oct 69:167:6798
TR:136:667

Tanker Ships

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TR:136:652
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Tanks (Containers)
Basin Tracer Curves Interpreted by Basic Analytics, A. Adler Hirsch, SA6:Dec 69:1031:6951
TR:136:269
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276
Optimum Design of Reinforced Concrete Tanks, Robert E. Melchers and George I. N. Rozvany, EM6:Dec 70:1093:7739
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TR:136:1318
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TR:136:318

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Commercialism in Tax-Favored Institutions, Samuel H. Clark and Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002
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TR:136:852

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Technology
Technological Forecasting and Morphological Analysis, S. R. Fields, Preprint No.1475, July 71

Telemetry Systems
Automation For Small Irrigation Projects, Theodore E. Mann, IR3:Sept 71:501:8344

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Television Display of Topographic Maps, Kam W. Wong and Nick G. Yacoumelos, SU2:Nov 71:273:8531

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Temperate
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TR:136:802

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Analysis of Water Temperature Variations in Large River, Veerasamy Kothandaraman, SA1:Feb 71:19:7908
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TR:136:230
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Examination of the Thermocline, John C. Sonnichsen and Clarence A. Oster, SA2:Apr 70:353:7219
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Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324
Heated Surface Jets in a Steady Crosscurrent, Robert W. Zeller, John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385
Lateral Spreading of Heated Discharge, John C. Sonnichsen, PO3:July 71:623:8245
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TR:136:1028
Power Plant Cooling Water Discharge in Streams, Liang-Tseng Fan, Jie-Tsai Tseng and Ching Hwang, PO4:Dec 71:841:8595
The Pressure of Floating Ice-fields on Piles, Joachim Schwarz, 12CEC:pp.1523-1536, 1971
Research Needs on Thermal and Sedimentary Pollution in Tidal Waters by the Committee on Tidal Hydraulics of the Hydraulics Division, Frank D. Masch, Chmn., HY7:July 70:1539:7426
TR:136:1177
Role of Baseflow in Rainfall-Runoff Relations, Krishan P. Singh, Preprint No.1291, Jan 71
Statistical Assessment of DO in Navigation Pool, Thomas A. Butts, Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
TR:136:881
Stream Temperature Prediction Under Reduced Flow, William L. Morse, Preprint No.1525, Oct 71
Temperature Variations in Deep Reservoirs, Gerald T. Orlob and Lawrence G. Selna, HY2:Feb 70:391:7063
TR:136:913
Thermal Discharge: A Model-Prototype Comparison, Peter D. Hindley, Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580
Time-Dependent Strength Behavior of Frozen Soils, Orlando B. Andersland and Ilham AlNouri, SM4:July 70:1249:7406
TR:136:970
Transfer of Oxygen in Aqueous Solutions, Edwin L. Barnhart, SA3:June 69:645:6639
TR:136:775
TVA Experience with Concrete Chimney Linings, Charles D. Durfee, PO2:Oct 69:193:6826
TR:136:60

Temperature Control
Edward Hyatt Powerplant Intake Structure, Paul H. Gilbert, PO1:Mar 69:110:6471
TR:136:814

Temperature Distribution
Recirculation in Shallow Bays and Rivers, R. K. Price, Robert A. Dalrymple and Robert G. Dean, 12CEC:pp.1813-1825, 1971

Temperature Gradients
Multi-level Optimization of a Reservoir System, William J. Trott and William Wen-Gong Yeh, Preprint No.1526, Oct 71
Stability of Water Cooled Columns, Atle Gjelsvik, EM4:Aug 71:1205:8335

Tendons
Grouted Tendons for Nuclear Containment, Gunnar A. Harstead and Richard E. Kummerle, PO2:Oct 69:277:6852
TR:136:197
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475:7966

XUM

Tennessee
Slides in Residual Soils From Shale and Limestone, Harold T. Whitney, George F. Sowers and B. Roger Carter, 4PCSM:pp.139-152, 1971

Tension
Diagonal Tension Cracking in Concrete Beams with Axial Forces, Alan H. Mattock, ST9:Oct 69:1887: 6776
TR:136:221
Liquid Limit Values by Soil Moisture Tension, Eugene R. Russell and L. Jack Mickle, SM3:May 70:967:7298
TR:136:1222

Terminal Facilities
Design of Hamburg's New Airport Terminal, Joseph Treiterer, TE3:Aug 70:403:7483
TR:136:1120
Detroit Metropolitan Wayne County Airport, Lin Y. Huang, CE:July 70:55
TR:136:533
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256
TR:136:830
Illinois Central Suburban Automated Revenue Collection System, Leonard A. West, TE1:Feb 71: 117:7872
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2: May 71:187:8090
Innovations in Barge Transportation on Columbia River, W. E. Torget and Rowena Funston, WW2: May 70:411:7290
TR:136:968
Offshore Floating Terminals, Eugene H. Harlow, WW3:Aug 71:531:8295
Planning for Campus Traffic and Parking, Joseph W. Guyton and George L. Reed, TE1:Feb 71:63:7880
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459
TR:136:1032
Regional Approach to Port Development Planning, Howard J. Marsden, WW1:Feb 71:33:7896
A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee, Harold W. Hansen, Chmn., TE3:Aug 69:399:6717
TR:136:659
Tampa International Airport: Model for the Jumbo-Jet Age, George S. Jenkins, CE:Oct 71:68
Terminal Access and the Choice of Intercity Modes, Edward A. Beimborn, TE3:Aug 69:463:6731
TR:136:117
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343
V/STOL Concepts for Short Haul Air Transport, Bernard L. Fry and R. William DeDecker, TE3: Aug 71:411:8277

Terminology
Glossary of Terms Pertaining to Structural Steel Engineering and Design, Ad Hoc Committee on Nomenclature, Administrative Committee on Metals of the Structural Division, Roland R. Graham, Jr., Chmn., ST8:Aug 71:2137:8322

Tertiary Treatment
Batch Adsorption Kinetics in Sewage--Activated Carbon, Jeffrey S. Hsieh, Raffi M. Turian and Chi Tien, SA4:Aug 71:505:8339
Instream Aeration: An Alternative to Advanced Waste Treatment, William Whipple, Jr., CE:Sept 70:78
TR:136:750
Tertiary Treatment by Flocculation and Filtration, DeFro Tossey, Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484

Test Equipment
Accuracy of Field Deformation Measurements, James P. Gould, 4PCSM:pp.313-366, 1971

Test Procedures
Bactericidal Disinfectant Testing by Micromethods, Winfred F. Maline, Theodore F. Wetzler and Lloyd G. Herman, NSCD:pp.307-318, 1971

Tests
Bactericidal Disinfectant Testing by Micromethods, Winfred F. Maline, Theodore F. Wetzler and Lloyd G. Herman, NSCD:pp.307-318, 1971
Bearing Capacity of Concrete Blocks, Wai F. Chen and Sergio Couarrubias, EM5:Oct 71:1413:8421
Bearing Capacity of Eccentrically Loaded Footings, Shamsher Prakash and Swami Saran, SM1:Jan 71: 95:7814
Bed Load Transportation in Alluvial Channels, Satya P. Garg, Ashutosh K. Agrawal and Prem Raj Singh, HY5:May 71:653:8091
Behavior of Single Horizontally Curved Girder, Conrad P. Heins, Jr. and Kenneth R. Spates, ST7: July 70:1511:7420
TR:136:1031
Behavior of Unsymmetrical-Continuous Folded Plates, Karl C. Muhlbauer and Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443
Biokinetic Evaluation of BOD Concepts and Data, William E. Gates and Sambhunath Ghosh, SA3: June 71:287:8184
Cavitation Parameters for Outlet Valves, W. Paul Winn and David E. Johnson, HY12:Dec 70:2519: 7771
Composite Beams with Partial Connection, Hugh Robinson and I. W. Wallace, Preprint No.1549, Oct 71
Consolidation Under Constant Rates of Strain, Ronald E. Smith and Haryl L. Wahls, SM2:Mar 69: 519:6452
TR:136:45
Containment Structure For Trojan Nuclear Plant, Jacob K. Aldersebaes and Karl Wiedner, PO2:Mar 71:351:7957
Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576
Corrosion Test of Steel Piling in Sea Water, Laverne L. Watkins, WW3:Aug 71:549:8292
Criteria for the Design of Steel Sandwich Panels, T. C. McCavour, Preprint No.1407, Apr 71
Data Reduction from Nonlinear Response Curves, Milos Novak, EM4:Aug 71:1187:8300
Deflection Analysis for Shakedown, Dale G. Eyre and Theodore V. Galambos, ST7:July 70:1359:7403
TR:136:961
Deformations of Geometrically Imperfect Beams, Nicholas S. Trahair, ST7:July 69:1475:6682
TR:136:179
Eccentrically Loaded Bolted Connections, Sherwood F. Crawford and Geoffrey L. Kulak, ST3:Mar 71: 765:7956
Elastic Stability of Continuous Beams, Nicholas S. Trahair, ST6:June 69:1295:6632
TR:136:138
Estimation of Sludge Centrifuge Performance, P. Aarne Vesilind, SA.3:June 70:805:7378
Experimental Cationic Asphalt Emulsion Grouting, Lloyd R. Gebhart, Preprint No.1541, Oct 71
Experimental Study of Flexural-Torsional Buckling, Alois J. Hartmann, ST7:July 70:1481:7414
TR:136:1325
Experimental Verification of Discrete-element Solutions for Plates, Sohan L. Agarwal and W. Ronald Hudson, TN: ST8:Aug 71:2159:8275
Experiments with Folded Plate Models, S. E. Swartz and V. H. Rosebraugh, Preprint No.1354, Apr 71
Fatigue of A514 Steel in Bolted Connections, Peter C. Birkemoe, Donald F. Meinheit and William H. Munse, ST10:Oct 69:2011:6811
TR:136:255
Fatigue of Bolted High Strength Structural Steel, Peter C. Birkemoe and Ramachandran Srinivasan, ST3:Mar 71:935:7997
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238

Guide for the Design of Aluminum Formed-Sheet Building Sheathing, Robert B.B. Moorman, Chmn, ST8:Aug 69:1727:6744
TR:136:195
Inflection Point Method for Computing Cv, Francis R. Cour, TN: SM5:May 71:827:8087
Intersecting Titanium Spheres for Deep Submersibles, George F. Leon, EM3:June 71:981:8219
Low-speed Operation of the Linear Induction Motor Test Vehicle, K. M. Chirgwin, Preprint No.1504, July 71
Maximum Dynamic Response and Proof Testing, J. N. Yang and E. Heer, Preprint No.1372, Apr 71
New Design Criteria for USBR Penstocks, Harold G. Arthur and John J. Walker, PO1:Jan 70:129:7034
TR:136:939
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Performance of Two Mat Foundations on Boston Blue Clay, Salvatore V. DeSimone and James P. Gould, Preprint No.1567, Oct 71
Predicting Effective Stress Paths, James P. Olson and Harvey E. Wahls, TN: SM8:Aug 71:1139:8307
Problems Associated with Planning BOD Experiments, Paul M. Berthouex and William G. Hunter, SA3:June 71:333:8202
Quick Quality Testing of Concrete, Peter Smith, CE: Aug 70:52
TR:136:621
Sand Movement Measurement Near Anchor Plates, Robert W. Carr and Thomas H. Hanna, TN: SM5: May 71:833:8087
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual, Vito A. Vanoni, HY5:Sept 69:1515:6757
TR:136:798
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, Norman W. Hanson, ST6:June 71:1685:8180
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729: 8544
Statistical Experimental Design: BOD Tests, Paul M. Berthouex and William G. Hunter, SA4:Aug 71: 393:8286
Status of Pilot Watershed Studies in Arizona, Harry E. Brown, IR1:Mar 70:11:7129
TR:136:452
Studies Of Seismic Response Of Clay Banks, William D. Kovacs, H. Bolton Seed and Izzat M. Idriss, SM2:Feb 71:441:7878
The Success of the Auto Should be a Lesson to Us, Jarold A. Kieffer, Preprint No.1505, July 71
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71: 1113:8033
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475: 7966
Tests of Reinforced Concrete Flat Plate Floors, E. Ramzy F. Zaghlool, H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612
Tests on Cohesionless Materials for Rockfill Dams, Emanuele Fumagalli, SM1:Jan 69:313:6353
TR:136:26
Three-Dimensional Inelastic Subassemblage Design, John F. Lott, S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108
Time Dependent Behavior of Concrete Beams, John D. Mozer, Kurt H. Gerstle and Leonard G. Tulin, ST3:Mar 70:597:7157
TR:136:623
Time Dependent Deformation of Normally Consolidated Clays and Peats, Laing Barden, SM1: Jan 69:1:6337
TR:136:1055
Ultimate Load Tests on Braced Multistory Frames, Joseph A. Yura and Le-Wu Lu, ST10:Oct 69:2243: 6840
TR:136:307
Vibration of Noncircular Foundations, Yong S. Chae, SM6:Nov 69:1411:6918
TR:136:335
Yield Points For Partially Loaded Spherical Domes, John Schroeder and Prasanta Roy, EM1:Feb 71:63: 7888

Texas

Analysis of Hurricane Tides at Padre Island, Texas, Frank D. Masch, Robert J. Brandes, Floyd R. Hill and William A. White, 12CEC:pp.2031-2050, 1971
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Thailand

Sector Gates in Bangkok Klong System, Fred C. Stepanich, WW4:Nov 71:721:8549

Theory

Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Effect of Period of Record on Flood Prediction, Peter Victorov, HY11:Nov 71:1853:8525
Steady Drainage of Layered Soils: 1, Theory, Sadik Toksoz and Don Kirkham, IR1:Mar 71:1:7985
A Theoretical Assessment of the SPT, Edward A. Nowatzki, 4PCSM:pp.45-61, 1971

Thermal Conductivity

Effect of Coating on Thermal Conductivity of Pipes, P. Mahmoodi, TE1:Feb 70:71:7102
TR:136:357

Thermal Diffusivity

Dispersivity Tensor for Uniform Channel Flow, Gedeon Dagan, HY5:Sept 69:1699:6794
TR:136:202

Thermal Insulation

Arctic Hangar for Minus 60 Deg F, Ralph Kratz, CE:May 71:72
Subway Aerodynamic Valved Entry SAVE System , Gerald R. Seemann, Preprint No.1470, July 71

Thermal Pollution

Analyzing Steam Electric Power Plant Discharges, John Eric Edinger and John C. Geyer, SA4:Aug 68:611:6064
TR:136:634
Condenser Cooling and Pumped Storage Reservoirs, Eli Sefchovich, Preprint No.1292, Jan 71
Data Retrieval on Thermal Pollution, Fred A. Limpert, CE:Nov 70:53
TR:136:1033
Dispersivity Tensor for Uniform Channel Flow, Gedeon Dagan, HY5:Sept 69:1699:6794
TR:136:202
Internal Hydraulics of Thermal Discharge Diffusers, Svein Vigander, Rex A. Elder and Norman H. Brooks, HY2:Feb 70:509:7085
TR:136:1025
Power Plant Cooling Water Discharge in Streams, Liang-Tseng Fan, Jie-Tsai Tseng and Ching Hwang, PO4:Dec 71:841:8595
Recirculation in Shallow Bays and Rivers, R. K. Price, Robert A. Dalrymple and Robert G. Dean, 12CEC:pp.1813-1825, 1971
Shape Factors for Cooling Lakes, John Eric Edinger, PO4:Dec 71:861:8616
Thermal Discharge: A Model-Prototype Comparison, Peter D. Hindley, Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580
Thermal-Pollution Threat Draws Nearer, Eugene E. Dallaire, CE:Oct 70:67
TR:136:1093
Two-Dimensional Surface Warm Jets, Robert C. Y. Koh, HY6:June 71:819:8186
Waste Heat Disposal from Power Generating Stations, F. Stewart Brown, PO3:June 70:277:7317
TR:136:982

XUM

Thermal Powerplants
Condenser Cooling and Pumped Storage Reservoirs, Eli Sefchovich, Preprint No.1292, Jan 71
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, Preprint No.1297, Jan 71
Dry-type Cooling Towers, Edward A. Cecil, Paul R. Cunningham, Clarence J. Steiert and Rodger O. Young, Preprint No.1540, Oct 71

Thermal Radiation
Depth to Ground-Water Table by Remote Sensing, M. Abdel-Hady and Harlan H. Karbs, IR3:Sept 71: 355:8360
Design Parameters for Thermal Shock Problems, Tauchao C. Fan, ST2:Feb 70:309:7088
TR:136:563

Thermal Shock
Design Parameters for Thermal Shock Problems, Tauchao C. Fan, ST2:Feb 70:309:7088
TR:136:563

Thermal Stability
In-place Treatment of Foundation Soils, James K. Mitchell, SM1:Jan 70:73:7035
TR:136:488
In-Place Treatment of Foundation Soils, James K. Mitchell, PISST:pp.93-130, 1971

Thermal Stratification
Effects of Reservoir Impoundment on Water Quality, Frank H. Posey, Jr. and Joseph W. DeWitt, PO1: Jan 70:173:7041
TR:136:1209

Thermal Stresses
Thermal Buckling of a Bimetallic Beam, David Burgreen and Phillip J. Manitt, EM2:Apr 69:421: 6509
TR:136:745
Thermal Stresses in Multilayer Anisotropic Shells, Tung D. Lin and D. E. Boyd, EM3:June 71:829: 8206

Thermal Utilization
Monitoring Water Pollution by Means of Remote Sensing Techniques, James P. Scherz, Preprint No.1317, Jan 71

Thermoclines
Examination of the Thermocline, John C. Sonnichsen and Clarence A. Oster, SA2:Apr 70:353:7219

Thermoelasticity
Design Parameters for Thermal Shock Problems, Tauchao C. Fan, ST2:Feb 70:309:7088
TR:136:563

Thermoelastic Theory
Thermo-Elasto-Plasticity, Robin G. Charlwood and Donald L. Anderson, Preprint No.1364, Apr 71

Thermoelectric Power Generation
Analyzing Steam Electric Power Plant Discharges, John Eric Edinger and John C. Geyer, SA4:Aug 68:611:6064
TR:136:634
Aquatic Ecosystems and Thermal Power Plants, Loren D. Jensen and Derek K. Brady, PO1:Jan 71: 209:7802
Cooling Water Structures for FitzPatrick Nuclear Plant, Ralph W. Gunwaldsen, Bruno Brodfeld and George E. Hecker, PO4:Dec 71:767:8572
Cooling Water Studies at Electric Power Station, R. Fred Gray and J. Ben Stephenson, PO2:Oct 69:293: 6853
TR:136:230
Heated Surface Jets in a Steady Crosscurrent, Robert W. Zeller, John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385
Shape Factors for Cooling Lakes, John Eric Edinger, PO4:Dec 71:861:8616

Thermoplastic Resins
California Seals Salt-Damaged Bridge Decks, Robert L. Boulware and Arthur L. Elliott, CE:Oct 71:42

Thin Shell Structures
Finite Element Analysis of Thick Shell of Revolution, T. J. Chung and Martin A. Bandy, TN: EM4:Aug 71:1315:8273
Shell-Like Structures, Kenneth P. Buchert, Preprint No.1287, Jan 71

Thin Wall Pipes
Kelvin's Solution of Torsion Problem, Egor P. Popov, EM6:Dec 70:1005:7734
TR:136:1311

Thin-Wall Structures
Frequency Analysis of Thin-walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, Preprint No.1358, Apr 71
Initial Buckling of Channels in Compression, William H. Wittrick and Frederic W. Williams, EM3:June 71:711:8177

Thixotropy
Thixotropic Behavior of Compacted Clays, Donald H. Gray and Nouri A. Kashmeeri, SM1:Jan 71:193: 7857

Thunderstorms
The Structure of Thunderstorm Rainfall, John B. Stall and Floyd A. Huff, Preprint No.1330, Jan 71

Tidal Currents
Analysis Techniques for Houston Ship Channel, Roy W. Hann, Jr., WW2:May 70:171:7258
TR:136:1193
Deformation of Rotational Tidal Currents in Shallow Coastal Water, Harald Gohren, 12CEC:pp.2147-2162, 1971
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Natural Flushing Ability in Tidal Inlets, I. B. Mota Oliveira, 12CEC:pp.1827-1845, 1971
New Developments in the Field of Tidal Hydraulics, Joseph M. Caldwell, HY1:Jan 69:1:6339
TR:136:756
Offset Coastal Inlets, Miles O. Hayes, Victor Goldsmith and Carl H. Hobbs, III, 12CEC:pp.1187-1200, 1971
Oil Booms in Tidal Currents, Ralph H. Cross and David P. Hoult, 12CEC:pp.1745-1758, 1971

Tidal Effects
Tidal Inlet Problems Along the New England Coast, Oscar E. Arpin, 12CEC:pp.1171-1185, 1971

Tidal Energy
Integration Of Pumped-Storage With Tidal Power, Thomas L. Shaw and Geoffrey R. Thorpe, PO1:Jan 71:159:7810
Tidal Motion in Bays, Omar H. Shemdin and R. M. Forney, 12CEC:pp.2225-2242, 1971

Tidal Marshes
Land Reclamation and Groin-building in the Tidal Flats, Heie Focken Erchinger, 12CEC:pp.1041-1052, 1971
Mathematical Model of Mixing in New Haven Harbor, Michael D. Disko, Robert A. Norris and Francis C. Lutz, 12CEC:pp.1847-1866, 1971

Tidal Power Generation
Integration Of Pumped-Storage With Tidal Power, Thomas L. Shaw and Geoffrey R. Thorpe, PO1:Jan 71:159:7810

Tidal Waters
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Tidal Waves in Schematic Estuaries, Hans Vollmers and Jurgen Sundermann, 12CEC:pp.2133-2145, 1971

XUM

Tides
Analysis of Hurricane Tides at Padre Island, Texas, Frank D. Masch, Robert J. Brandes, Floyd R. Hill and William A. White, 12CEC:pp.2031-2050, 1971
Design Criteria for North Sea Dikes, Johann Kramer, WW4:Nov 71:703:8548
Dispersion and Flushing of Pollutants in Extuaries, Donald W. Pritchard, HY1:Jan 69:115:6344
TR:136:875
Evolution of Tidewater Port, Chester A. Peyronnin, Jr., WW2:May 70:387:7287
TR:136:949
Hydrography of South Pass, Mississippi River, Lynn D. Wright, WW3:Aug 71:491:8290
Mathematical Tidal Study of St. Lawrence River, J. William Kamphuis, HY3:Mar 70:643:7141
TR:136:624
Measurement of Density Currents in an Idealized Model, Timm Stuckrath, 12CEC:pp.1979-1993, 1971
Research for the Coastal Area of the Delta Region of the Netherlands, J. J. Dronkers, 12CEC:pp.1783-1801, 1971
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Tidal Motion in Bays, Omar H. Shemdin and R. M. Forney, 12CEC:pp.2225-2242, 1971
Venice is Sinking into the Sea, Carlo Berghinz, CE: Mar 71:67
Dsc: Sterling McKihrick, CE:Mar 71:52

Tidewater
Research Needs on Thermal and Sedimentary Pollution in Tidal Waters by the Committee on Tidal Hydraulics of the Hydraulics Division, Frank D. Masch, Chmn., HY7:July 70:1539:7426
TR:136:1177

Tie Rods
Tied-Back Foundation Wall for Seattle First National Bank, William L. Shannon and Robert J. Strazer, CE:Mar 70:62
TR:136:302

Tile Drains
Need for Envelope Material Above Draintile, Robert W. Saulmon, TN: IR4:Dec 71:661:8560

Tiles
Hollow Clay Tile Structural Research, F. B. Johnson and J. H. Matthys, Preprint No.1377, Apr 71
Steady Drainage of Layered Soils: II, Nomographs, Sadik Toksoz and Don Kirkham, IR1:Mar 71:19:7986
Steady Drainage of Layered Soils: 1, Theory, Sadik Toksoz and Don Kirkham, IR1:Mar 71:1:7985

Tiltmeters
Potrero Hill Slide and Correction, Travis Smith and Raymond Forsyth, SM3:Mar 71:541:8004

Timber Construction
Bonded Wood-Concrete T-Beams, George Pincus, ST10:Oct 69:2265:6842
TR:136:314
Orthotropic Elastic Properties of Wood, James R. Goodman and Jozsef Bodig, ST11:Nov 70:2301:7682
Structural Timber Research at Forest Products Lab, Fred Werren, ST12:Dec 69:2891:6980
TR:136:491

Timbers
Behavior of Wood-Concrete Composite Beams, George Pincus, ST10:Oct 70:2009:7592
TR:136:1170
Design of Laterally Unsupported Timber Beams, David W. Fowler, ST3:Mar 71:881:7995
A High-Rise Timber Mill Building, L. Elvin Gower, Preprint No.1394, Apr 71

Time
Space-Time Transformation of Live Load Data, Alex C. Heaney, Preprint No.1396, Apr 71

Time Dependence
Breakout Resistance of Objects Embedded in Ocean Bottom, Aleksandar Sedmak Vesic, SM9:Sept 71:1183:8372
Creep and Shrinkage in Reinforced Concrete Beams, Tuck Wah Leong and Robert F. Warner, ST3:Mar 70:509:7150
TR:136:607
Creep Deflection of Reinforced Concrete Beams, Charles A. Miller and Sidney A. Guralnick, ST12:Dec 70:2625:7768
Deformation and Stability of Viscoelastic Soil Media, Cetin Soydemir and Werner E. Schmid, SM6:Nov 70:2081:7708
Numerical Analysis of Free Surface Seepage Problems, Peter W. France, Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165:7959
Phreatic Surface Location after Drawdown, Arthur H. Dvinoff and Milton E. Harr, SM1:Jan 71:47:7806
Random Processes for Earthquake Simulation, Roy Levy, Frank Kozin and Robert B.B. Moorman, EM2:Apr 71:495:8057
Relaxation Tests on Alloy Steel Bars, Murray A. Muspratt, ST5:May 71:1533:8128
Slender Concrete Columns Under Sustained Load, Brij B. Goyal and Neil Jackson, ST11:Nov 71:2729:8544
Sustained and Cyclic Loading of Concrete Columns, Jostein Hellesland and Roger Green, ST4:Apr 71:1113:8033
Sustained Biaxial Load on Slender Concrete Columns, Robert G. Drysdale and Mark W. Huggins, ST5:May 71:1423:8103

Time of Concentration
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540

Time Series Analysis
Variability of Waste Treatment Plant Performance, Robert V. Thomann, SA3:June 70:819:7380
TR:136:1168

Time Sharing
Cost-Effective Matching of Task and Computing Device, Ralph E. Miller, Jr. and John McCaslin, ST1:Jan 71:329:7854
Interactive Graphics: Settlement and Slope Stability, Robert L. Schiffman and Jack R. Stein, ST1:Jan 71:253:7832
Scenario for a Third Computer Revolution in Structural Engineering, Steven J. Fenves, ST1:Jan 71:3:7812

Timing
Mechanical Structures for Farm Irrigation, Allan S. Humpherys, IR4:Dec 69:463:6944
TR:136:102

Tires
Tire-Pavement Interactiono, Bob M. Gallaway, Jerry G. Rose and Jon A. Epps, Preprint No.1325, Jan 71

Topographic Surveys
Analytical Plotter System, James R. Skidmore, SU2:Sept 70:253:7559
TR:136:987

Topography
Chart Compilation-Field and Office, William J. Monteith, SU2:Sept 70:157:7522
TR:136:885
Computation for Circulation in Stratified Lakes, Kwang K. Lee and James A. Liggett, HY10:Oct 70:2089:7634
TR:136:1271
Land Acquistion Surveys and Maps for Reservoirs, Russell S. Dittmer, SU2:Nov 71:215:8500
Modern Day Surveys for Highway Location and Design, Jon S. Beazley, SU1:Apr 70:11:7196
TR:136:727

XUM

Public Irrigation Systems In Puerto Rico, Garcia Rafael Reyes, IR1:Mar 71:109:7953
Reconnaissance for Dam Sites in Remote Areas, Vernon E. Swanson, SU1:Apr 70:97:7244
TR:136:1119
Topographic Maps for Construction Planning, Robert H. Lyddan, SU1:Apr 70:51:7221
TR:136:762
Variation of Topography of Sea-bed Caused by the Construction of Breakwaters, Shoji Sato and Isao Irie, 12CEC:pp.1301-1319, 1971

Topology
Constraint Processing in Design, Richard N. Wright, LeRoy T. Boyer and John W. Melin, ST1:Jan 71:481:7856

Topsoil
Properties of Slightly Organic Topsoils, Robert D. Holtz and Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508

Tornadoes
Design of Browns Ferry Chimney, John W. Smith and Asgeir Jonsson, PO3:June 70:437:7359
TR:136:1127
Nuclear Power Plant Tornado Design Considerations, James A. Dunlap and Karl Wiedner, PO2:Mar 71:407:7949

Torsion
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71
Behavior of Single Horizontally Curved Girder, Conrad P. Heins, Jr. and Kenneth R. Spates, ST7:July 70:1511:7420
TR:136:1031
Box Girder Model Studies, Dennis E. Myers and Peter B. Cooper, ST12:Dec 69:2845:6966
TR:136:449
Concrete Beams in Bending, Torsion and Shear, Arthur E. McMullen and Joseph Warwaruk, ST5:May 70:885:7270
TR:136:1255
Dynamic Prestraining of Dry Sand, Vincent P. Drnevich and Frank E. Richart, Jr., SM2:Mar 70:453:7160
TR:136:592
Dynamic Response of Coupled Shear Wall Buildings, A. W. Irwin and Arthur C. Heidebrecht, Preprint No.1378, Apr 71
Kelvin's Solution of Torsion Problem, Egor P. Popov, EM6:Dec 70:1005:7734
TR:136:1311
Long-term Pressures Effects on Shear Modulus of Soils, Sherif S. Afifi, SM10:Oct 71:1445:8475
Reinforced Concrete Rectangular Columns in Torsion, Alfred G. Bishara and Jong-Cherng Peir, ST12:Dec 68:2913:6305
TR:136:29
Reinforcement for Torque in Spandrel L-Beams, Umakanta Behera, K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
Tapered Box Girders of Deformable Cross Section, Vladimir Kristek, ST8:Aug 70:1761:7489
TR:136:999
Torsional Flutter Instability of Stalled Surfaces, Jon D. Raggett and Robert H. Scanlan, Preprint No.1367, Apr 71
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241
Torsional Vibrations of Circular Foundations, Gerd F. Weissmann, SM9:Sept 71:1293:8402
Torsion Analysis of Heavy Box Beams in Structures, Frederick A. Smith, Jr., Francis M. Thomas and James O. Smith, ST3:Mar 70:613:7165
TR:136:842
Torsion, Bending and Shear in Prestressed Concrete, Priya R. Mukherjee and Joseph Warwaruk, ST4:Apr 71:1063:8041
Torsion of Perforated Concrete Shafts, Riko Rosman, ST5:May 69:991:6578
TR:136:115
Torsion, Shear, and Bending on Stirruped L-Beams, Umakanta Behera and Phil M Ferguson, ST7:July 70:1271:7419
What Do We Know About Torsion in Concrete Members, Paul Zia, ST6:June 70:1185:7372
TR:136:1313

Torsion Bars
Need For Diaphragms in Concrete Box Girders, Denison Campbell-Allen and Raymond J.L. Wedgwood, ST3:Mar 71:825:7965

Towers
Analysis and Design of Tower Foundations, Richard L. Wiggins, PO1:Mar 69:77:6469
TR:13:23
Computer's Role in Transmission Line Design, Charles F. Beck, ST1:Jan 71:63:7817
Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
Dynamics of Guyed Towers, R. J. McCaffry and Alois J. Hartmann, Preprint No.1379, Apr 71
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How Safe Are Your Towers?, Joseph R. Arena, ST1:Jan 70:1:6994
TR:136:499
New Microwave Tower Design Reduces Drag, Demetri Zavitzianos, CE:Mar 71:46
Dsc: Donald W. Rose, CE:July 71:66
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Response of Structures to Time-Varying Wind Loads, Arthur N. Chiu, ST2:Feb 70:381:7104
TR:136:585
Superstructure for 1,350-ft.-High World Trade Center, Lester S. Feld, CE:June 71:66
Dsc: Richard M. Stanger, CE:Dec 71:71
Tower Designs for AEP 765-KU Project, Richard A. Kravitz and James A. Samuelson, PO2:Oct 69:305:6855
Tower: Design System for Guyed Towers, Karl L. Reichelt, Dan M. Brown and John W. Melin, ST1:Jan 71:237:7836
Transmission Line Aesthetics and Economics, George A. Washburn, Preprint No.1383, Apr 71
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133

Towing
Barge Tow Traffic Simulation Models, Patrick H. Carigan, Preprint No.1479, July 71

Toxicity
Metal Toxicity to Sewage Organisms, Calvin P.C. Poon and Kiran L. Bhayani, SA2:Apr 71:161:8020
Selection of Disposal Areas for Spoil From Baltimore Harbor, John F. Hoffman, 12CEC:pp.2267-2279, 1971

Tracers
Basin Tracer Curves Interpreted by Basic Analytics, A. Adler Hirsch, SA6:Dec 69:1031:6951
TR:136:269
A Class of Probability Models for Littoral Drift, William R. James, 12CEC:pp.831-837, 1971
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324
Predicting Effects of Dead Zones on Stream Mixing, Edward L. Thackston and Karl B. Schnelle, SA2:Apr 70:319:7218
TR:136:1322

XUM

Tracer Studies of Sediment Transport Processes, Ronald E. Rathbun and Carl F. Nordin, HY9:Sept 71:1305:8364

Tractive Forces
Bed Load Transportation in Alluvial Channels, Satya P. Garg, Ashutosh K. Agrawal and Prem Raj Singh, HY5:May 71:653:8091
Distribution of Tractive Force in Open Channels, Viswanathan C. Kartha and Hans J. Leutheusser, HY7:July 70:1469:7415
Longshore Transport Computations, Eco W. Bijker, WW4:Nov 71:687:8546

Traffic
Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Developing an Improved Traffic Operations Program, Peter A. Mayer, TE2:May 71:263:8099
Effective Freeway Traffic Management System, William E. Schaefer, Jesus M. Garcia, Jr. and Richard J. Murphy, Preprint No.1476, July 71
Federal Research in Urban Traffic Control, Juri Raus and Philip J. Tarnoff, Preprint No.1516, July 71
FHWA Traffic Research Program, Carl F. Izzard, TE2:May 71:333:8133
Finite State Approach to Vehicle Merging, Daniel E. Whitney, Preprint No.1450, July 71
Markov Renewal Model of Linked Trip Travel Behavior, Gorman Gilbert, George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71
The Massachusetts Approach to Topics, Daniel S. Horgan, Austin E. Brant, Jr. and Dana E. Low, Preprint No.1494, July 71
Navigation Charting for Inland Waterways, Benjamin O. Holmes, SU1:Oct 69:117:6856
TR:136:1203
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Service Volumes for Functional Classification, Thomas R. Bright, TE4:Nov 70:561:7671
TR:136:1189
Strategies for Practical Expressway Control, A. G. R. Bullen, Preprint No.1484, July 71
Symposium on Traffic Assignment Methodology, Mo C. Li, Preprint No.1460, July 71
Systems Problems in Freeway Traffic Control and Surveillance, Harold J. Payne, Preprint No.1511, July 71
Topics Experience of a Consulting Engineering Firm, Arthur E. Young, Preprint No.1467, July 71
Topics Fund Apportionment Formula, Mo C. Li, Preprint No.1459, July 71
Turn Penalty Effects on Minimum Time Paths, Donald L. Woods, J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238
The 4-Day Work Week and Transportatioi, Vincent R. Desimone, Preprint No.1480, July 71

Traffic Assignment
Turn Penalty Effects on Minimum Time Paths, Donald L. Woods, J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238

Traffic Control
Development of a Real-time Freeway Information System, Conrad L. Dudek and Carroll J. Messer, Preprint No.1471, July 71
Effective Freeway Traffic Management System, William E. Schaefer, Jesus M. Garcia, Jr. and Richard J. Murphy, Preprint No.1476, July 71
Federal Experience in Topics, High B. Henry, Preprint No.1448, July 71
Federal Research in Urban Traffic Control, Juri Raus and Philip J. Tarnoff, Preprint No.1516, July 71
The Massachusetts Approach to Topics, Daniel S. Horgan, Austin E. Brant, Jr. and Dana E. Low, Preprint No.1494, July 71
Modern Applications of Traffic Control Devices, John A. Bruce, TE1:Feb 71:153:7906
Optimization of Traffic Flow for Urban Freeways, Azmi Kaya, Preprint No.1447, July 71
Strategies for Practical Expressway Control, A. G. R. Bullen, Preprint No.1484, July 71

Traffic Engineering
Development of a Real-time Freeway Information System, Conrad L. Dudek and Carroll J. Messer, Preprint No.1471, July 71
The Driver and the Road, Donald L. Woods, TE4: Nov 71:609:8513
Effective Freeway Traffic Management System, William E. Schaefer, Jesus M. Garcia, Jr. and Richard J. Murphy, Preprint No.1476, July 71
Federal Experience in Topics, High B. Henry, Preprint No.1448, July 71
Finite State Approach to Vehicle Merging, Daniel E. Whitney, Preprint No.1450, July 71
Household Weekly Travel Patterns: A Potential Measure of Expressway Impact, A. M. Lacey, Preprint No.1443, July 71
Optimization of Traffic Flow for Urban Freeways, Azmi Kaya, Preprint No.1447, July 71
Philadelphia Regions' Urban Corridor Demonstration Program, Ira N. Pierce, NA:Mar 71:161
Planning for Campus Traffic and Parking, Joseph W. Guyton and George L. Reed, TE1:Feb 71:63:7880
Symposium on Traffic Assignment Methodology, Mo C. Li, Preprint No.1460, July 71
Systems Problems in Freeway Traffic Control and Surveillance, Harold J. Payne, Preprint No.1511, July 71
Topics Experience of a Consulting Engineering Firm, Arthur E. Young, Preprint No.1467, July 71
Topics Fund Apportionment Formula, Mo C. Li, Preprint No.1459, July 71
Traffic Volume Characteristics of Urban Freeways, Kenneth W. Heathington and Paul R. Tutt, TE1: Feb 71:105:7921
Wind Loading on Free-Swinging Traffic Signals, James F. Marchman, III, TE2:May 71:237:8140

Traffic Safety
Finite State Approach to Vehicle Merging, Daniel E. Whitney, Preprint No.1450, July 71
Major Research Studies on Signs, Lights and Guardrails, James R. Novak and Krieger W. Henderson, Jr., TE4:Nov 70:523:7663
TR:136:1263
Strategies for Practical Expressway Control, A. G. R. Bullen, Preprint No.1484, July 71
Topics Experience of a Consulting Engineering Firm, Arthur E. Young, Preprint No.1467, July 71

Traffic Signals
Benefits from TOPICS-type Improvements, H. Jack Leonard, CE:Feb 71:62
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Strategies for Practical Expressway Control, A. G. R. Bullen, Preprint No.1484, July 71
Wind Loading on Free-Swinging Traffic Signals, James F. Marchman, III, TE2:May 71:237:8140

Traffic Surveys
Behavioral Models in Transportation Planning, Frank E. Horton, Preprint No.1466, July 71
Demand-Activated Transportation for the Elderly, Charles B. Notess and Robert E. Paaswell, Preprint No.1462, July 71
Evaluating the Transit System and Access to Jobs in Chicago, Martin Wachs and Joseph L. Schofer, Preprint No.1449, July 71
Evaluation of New Technology for Intercity Travel, Richard M. Soberman, George A. Clark and Tom E. Parkinson, Preprint No.1446, July 71
Federal Experience in Topics, High B. Henry, Preprint No.1448, July 71
Household Weekly Travel Patterns: A Potential Measure of Expressway Impact, A. M. Lacey, Preprint No.1443, July 71
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XUM

Markov Renewal Model of Linked Trip Travel Behavior, Gorman Gilbert, George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71
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Public Attitude Toward Transportation Issues, H. Richard Orth and Walter Cherwony, TE3:Aug 70: 365:7478
TR:136:1147
Rapid Rail Research Requirements, Thomas J. McGean, Preprint No.1464, July 71
The Remote Airport, David R. Miller, T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71
Some Thoughts on Urban Transportation Goals and Objectives, Milton Pikarsky, NA:Mar 71:25
Symposium on Traffic Assignment Methodology, Mo C. Li, Preprint No.1460, July 71
Systematically Analyzing Transportation Alternatives, Marvin L. Manheim and Earl R. Ruiter, UTI: pp.207-241, 1971
Systems Problems in Freeway Traffic Control and Surveillance, Harold J. Payne, Preprint No.1511, July 71
Topics Experience of a Consulting Engineering Firm, Arthur E. Young, Preprint No.1467, July 71
Traffic Volume Characteristics of Urban Freeways, Kenneth W. Heathington and Paul R. Tutt, TE1: Feb 71:105:7921
The 4-Day Work Week and Transportatioi, Vincent R. Desimone, Preprint No.1480, July 71

Training

Education and Training Viewed by a Younger Member, James F. Stahl, CWFE:Mar 71:261

Tramways

The Limited Tramway, Stewart F. Taylor, Preprint No.1463, July 71

Transducers

Structural Reaction Dynamometers, M. Daniel Vanderbilt, ST6:June 71:1701:8188

Transferring

Location Models: Solid Waste Collection Example, David H. Marks and Jon C. Liebman, UP1:Apr 71: 15:8027

Transient Flow

Deposition of Sediment in Transient Flow, Fred F. M. Chang and Dennis L. Richards, HY6:June 71: 837:8191
Fourier Analysis of Transient Wave System, Edward K. Noda, WW4:Nov 71:663:8535
Unconfined Transient Seepage in Sloping Banks, Chandrakant S. Desai and Walter C. Sherman, Jr., SM2:Feb 71:357:7915

Transients

Four-Point Method of Characteristics, Michael B. Abbott and Adrianus Verwey, HY12:Dec 70:2549: 7763

Transition Flow

Experiments on Plane Couette Flow, Hans J. Leutheusser and Vincent H. Chu, HY9:Sept 71: 1269:8367

Transits

Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550

Transmission Lines

Analysis and Design of Tower Foundations, Richard L. Wiggins, PO1:Mar 69:77:6469
TR:13:23
Comprehensive Unified Land Data System, Robert N. Cook, SU1:Oct 69:103:6851
TR:136:657
Computation of Cutting Length of Guys, Stanley J. Jarecki, Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587
Computer's Role in Transmission Line Design, Charles F. Beck, ST1:Jan 71:63:7817
Electrified Railroads -- A Catalyst in the Economy, Donald R. Austin, Preprint No.1434, July 71
Environmental Considerations in Design of Transmission Lines, Harry Brenman and Dwight A. Covington, PO3:June 70:369:7350
TR:136:1152
Raw Water Transmission System for Springfield, Mass., Walter B. Sinnott and Sheldon S.W. Yuan, TE3:Aug 71:459:8312
Static Ending Strain in Stranded Conductor, James C. Poffenberger and Puran R. Mehta, ST11:Nov 70: 2429:7687
TR:136:1332
Transmission Line Aesthetics and Economics, George A. Washburn, Preprint No.1383, Apr 71
Unbalanced Tensions in Transmission Lines, David B. Campbell, ST10:Oct 70:2189:7622
TR:136:1133

Transmission Towers

Impact Tests on Prototype Transmission Pole Structures, W. Carl Anderson, Preprint No.1527, Oct 71

Transpiration

Effects on Water Supply Due to Salt Cedar Removal, William Hughes, Preprint No.1290, Jan 71

Transportation

Airfield Pavement Systems, E. Lile Murphee, Jr., Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283
Analog Analysis of Water Distribution Networks, Don J. Wood, TE2:May 71:281:8112
Analysis of BART Impacts on Bay Area Land Use, Douglass B. Lee, Jr., Preprint No.1431, July 71
Analysis of Transportation Planning Education, Lester A. Hoel, TE2:May 70:123:7255
TR:136:1204
Application of Computers to Airport Planning and Design, Rufus C. Phillips, III, TE3:Aug 70:341: 7472
TR:136:1160
Atlanta's Instant Runway, Robert W. Richards, TE3: Aug 71:491:8306
BART Demonstration Program, David G. Hammond, TE4:Nov 71:627:8508
Behavioral Models in Transportation Planning, Frank E. Horton, Preprint No.1466, July 71
Buses Get Exclusive Use of Freeway Median, Marvin C. Gersten and Jeanine M. Kahan, CE:July 70:68
TR:136:574
The Civil Engineer in Aerospace, Task Committee on Civil Engineering in Space of the Committee on Space Facilities of the Aero-Space Transport Division, Stewart W. Johnson, Chmn., TE2:May 71:247:8124
A Civil Engineer's Guide to EXPO 70, Shunta Shiraishi and Yuzo Matsui, CE:Mar 70:43
TR:136:243
Communications Substitutes for Intra-urban Travel, Richard C. Harkness, Preprint No.1453, July 71
The Comprehensive Plan in Transportation Planning, Kurt W. Bauer, TE3:July 70:421:7493
Construction Cost of Expressways, Barbara A. Huvane, TE2:May 71:173:8113
Contributions of the Federal-Aid Highway Program, Francis C. Turner, CE:June 70:71
Dsc: Edward A. Merrill, CE:Nov 70:39
TR:136:486
Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Designing Fail-Safe Structures of Highway Safety, Flory J. Tamanini, TE2:May 71:305:8150
Design Requirements for Safer Highway Bridge Rails, Robert M. Olson, Edward R. Post and Don L. Ivey, TE2:May 71:291:8125
Developing an Improved Traffic Operations Program, Peter A. Mayer, TE2:May 71:263:8099
The Driver and the Road, Donald L. Woods, TE4: Nov 71:609:8513

Effect of Coating on Thermal Conductivity of Pipes, P. Mahmoodi, TE1:Feb 70:71:7102 TR:136:357
Effect of Load Placement on Rigid Pavement Behavior, Harvey J. Treybig, TE4:Nov 71:681:8543
Effect of Pipeline Junctions on Water Hammer Surges, Don J. Wood and Shen P'eng Chao, TE3: Aug 71:441:8296
Estimation of Climatic Parameters for Frost Depth Prediction, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:605:6872 TR:136:190
Estimation of Deep Freezing Indices, George McCormick, TE3:Aug 71:401:8276
Estimation of Pavement Surface Freezing Indices, Lyle K. Moulton and James H. Schaub, TE4:Nov 69:587:6871 TR:136:150
Evaluating Transportation Systems, Robert N. Young, William C. Ockert and Charles E. Pixton, TE2:May 71:347:8131
Evaluation of New Technology for Intercity Travel, Richard M. Soberman, George A. Clark and Tom E. Parkinson, Preprint No.1446, July 71
Experiences with Interdisciplinary Teams, Norman M. Klein, ABS:pp.83-90, 1971
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256 TR:136:830
FHWA Traffic Research Program, Carl F. Izzard, TE2:May 71:333:8133
Forty Years of Engineered Construction, Hal W. Hunt, CE:Oct 70:57 TR:136:955
Goods Movement on Urban Transit Systems, John J. Fruin, Preprint No.1521, July 71
Grouping Algorithms for Statewide Loadmeter Surveys, Shiva K. Pant and Frederick J. Wegmann, TE3:Aug 71:421:8288
Illinois Central Suburban Automated Revenue Collection System, Leonard A. West, TE1:Feb 71: 117:7872
Impact of Rail Transit on Bus Operations, Richard H. Pratt, TE1:Feb 71:31:7881
Implications of Using Layered Theory in Pavement Design, John P. Nielsen, TE4:Nov 70:495:7662
Improving Airport Gate Usage with Critical Path, John P. Braaksma and John H. Shortreed, TE2: May 71:187:8090
Improving Urban Bus Operations, Michael G. Ferreri, TE3:Aug 70:319:7465 TR:136:1105
Initial Economic Evaluation of Slurry Pipeline Systems, E. J. Wasp, T. L. Thompson and T. C. Aude, TE2:Apr 71:271:8106
International Challenge to Airports, Kenneth K. Wilde, TE3:Aug 70:269:7455 TR:136:1195
Is Joint Development the Chicken, or the Egg?, Constantine Sidamon-Eristoff, TE3:Aug 71:469: 8315
Issues in Statewide Transportation Planning, Joseph S. Drake and Lester A. Hoel, TE3:Aug 70:379:7480 TR:136:1072
Let's Make the Needs Known so Someone Will Do Something About Them, Lawrence D. Dahms, NA: Mar 71:1
Man-Computer Graphic Transit System Planning, Mattias H. Rapp, Preprint No.1506, July 71
Markov Renewal Model of Linked Trip Travel Behavior, Gorman Gilbert, George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71
Measurement of Community Values in Transportation Network Evaluation, Dan G. Haney, Preprint No.1436, July 71
Model for Planning a Transportation System, Frank A. Tillman, TE2:May 70:229:7289 TR:136:886
Modern Applications of Traffic Control Devices, John A. Bruce, TE1:Feb 71:153:7906
Municipal Considerations in Transportation Planning, Richard B. Robertson, TE1:Feb 69:1:6378 TR:136:1051
New Highway Bridge Dimensions for Safety, John N. Clary, TE2:May 71:371:8152
New Triangle in Commuter Service, Harold Wanaselja, TE3:Aug 71:501:8338
Open Space Accessibility for Recreation, Lawrence D. Mann, UP2:Dec 71:207:8607
Optimal Selection of Flexible Pavement Components, Salim S. Hejal, Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Optimizing Traffic Flow on Existing Street Networks, Wesley La Baugh, TE2:May 71:353:8135
Origin, Purpose, and Status of Project, Robert A. Nelson, TE4:Nov 70:439:7655 TR:136:1244
Pavement Design and Staging for Mayan Roads, Allen F. Lubina and Robert N. Panfill, TE4:Nov 71:651:8516
Pavement Evaluation and Design for Jumbo Jets, Bernard A. Vallerga and Benjamin F. Franklin McCullough, TE4:Nov 69:639:6895 TR:136:252
Plan for Financing Urban Mass Transit Systems, Robert T. Howe, TE2:May 70:219:7286 TR:136:852
Planning and Engineering by Agency-Consultant Team, Louis W. Riggs, UP2:Oct 70:105:7585 TR:136:908
Planning for Memphis Medical Center Traffic and Parking, William H. Claire and Randall A.P. Johnson, TE1:Feb 71:51:7882
Planning for the Metro, Thomas B. Deen, TE3:Aug 70:349:7476 TR:136:1136
Planning's Role in Standards for Future Highways, Ralph D. Brown, Jr., TE2:May 71:227:8129
Practical Applications of Codes in Construction of Pipelines, David R. Williams, Jr., TE4:Nov 70:471: 7657 TR:136:1256
Proposed Transportation and Visitor Center, Robert W. Harris, TE3:Aug 70:301:7459 TR:136:1032
Public Attitude Toward Transportation Issues, H. Richard Orth and Walter Cherwony, TE3:Aug 70: 365:7478 TR:136:1147
Regional/Local Conflicts in Transportation Planning, Harvey R. Joyner, Preprint No.1485, July 71
Research Programs on Pipeline Crossings, William F. Quinn, TE3:Aug 70:283:7457 TR:136:988
Restructuring Freight Transportation in Chicago, James Robert Blaze, Preprint No.1441, July 71
Revolution in Urban Highway Planning, ASCE Committee on Highway Planning and Economics of the Highway Division, Dana E. Low, Chmn., TE1: Feb 71:145:7916
San Francisco Freeway Revolt, William H. Lathrop, Jr., TE1:Feb 71:133:7876
Selected Bus Demonstration Projects, Louis J. Pignataro, John C. Falcocchio and Roger P. Roess, TE3:Aug 70:251:7454 TR:136:947
Service Volumes for Functional Classification, Thomas R. Bright, TE4:Nov 70:561:7671 TR:136:1189
Simulation of Waterway Transport Systems, Joseph L. Carroll and Michael S. Bronzini, TE3:Aug 71: 527:8311
Social Considerations of Urban Transportation Systems, Robert L. Morris, TE3:Aug 70:333:7471 TR:136:1172
A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee, Harold W. Hansen, Chmn., TE3:Aug 69:399:6717 TR:136:659
State of the Art-Urban Transportation Systems, Donald O. Eisele, TE3:Aug 69:439:6729 TR:136:50
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298

XUM

The Super Airport, Lloyd S. Laity, Preprint No.1508, July 71
Systems Approach to Choice in Transport Technology, Edward J. Ward, TE4:Nov 70:455:7656
TR:136:1248
Systems Approach to Petroleum Site Selection, William S. Gaither and John Patrick Sides, WW3:Aug 69:395:6750
TR:136:1092
Systems Innovations for Urban Transportation, Robert A. Burco and Clark D. Handerson, TE2:May 71:205:8126
Traffic Volume Characteristics of Urban Freeways, Kenneth W. Heathington and Paul R. Tutt, TE1:Feb 71:105:7921
Transients in Pipelines Carrying Liquids or Gases, Victor L. Streeter, TE2:Feb 71:15:7884
Transit Marketing in Chicago, George Krambles, TE2:May 71:361:8134
Transportation and the Elderly, J. C. McPherson and P. M. Bunting, Preprint No.1438, July 71
Transportation and the Elderly, Frances M. Carp, Preprint No.1488, July 71
Transportation Planning: Myths and Realities, Raymond H. Ellis, Preprint No.1482, July 71
Transportation Research for Community Objectives, Arthur Saltzman, Alice E. Kidder, Florentine Sowell and Sidney H. Evans, Preprint No.1498, July 71
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343
Transporting Equipment for Grand Coulee Third Plant, Harold G. Arthur, PO2:Nov 68:125:6226
TR:135:289
Transport - - Simulation of a Total Transportation System, Howard D. Hillman and Joseph E. Jakobache, Preprint No.1515, July 71
Turn Penalty Effects on Minimum Time Paths, Donald L. Woods, J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238
Urban Mass Transportation: Review and Analysis, Stewart F. Taylor and Louis W. Petulla, TE2:May 70:175:7277
Urban Riverside Environmental Analysis, J. Robert Moore, UP1:Apr 71:105:8066
Use of Air Rights over Urban Expressw , Thomas F. Airis, TE2:May 69:357:6550
TR:136:641
V/STOL Concepts for Short Haul Air Transport, Bernard L. Fry and R. William DeDecker, TE3:Aug 71:411:8277
West Virginia Commercial Air Trip Generations, Dennis C. Judycki, Frederick J. Wegmann and Everett C. Carter, TE2:May 70:185:7281
TR:136:492
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TR:136:528

Transportation Management

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Transportation Models

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Transport Theory

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Transverse Strength

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Tapered Box Girders of Deformable Cross Section, Vladimir Kristek, ST8:Aug 70:1761:7489
TR:136:999

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Travel

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Trees

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TR:136:1238

Tremie Concrete

Novel Construction Concept for Raw-Water Intake, Carlton T. Wise and Doyle D. Gillespie, CE:June 71:43

Trenching

Hydraulic Trenching of Submarine Pipeline, H. Ivan Schwartz, TN: TE4:Nov 71:723:8489

Triangulation

Analytical Plotter System, James R. Skidmore, SU2:Sept 70:253:7559
TR:136:987
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TR:136:657
Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098
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TR:136:1063
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TR:136:1323
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TR:136:910
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TR:136:1317
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Pilot Plant Testing for Municipal Sewage Treatment, Robert C. Moore, SA2:Apr 70:573:7242
TR:136:922

Trucks
Technology and Intercity Trucking, Richard A. Lill, Preprint No.1442, July 71

Trusses
Discrete Structural Optimization, Kenneth F. Reinschmidt, ST1:Jan 71:133:7829
Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71
Geometrically Nonlinear Analysis by Stiffness Method, James A. Stricklin, Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
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TR:136:236
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TR:136:399
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Tunneling
Soft-ground Tunneling for Storm Sewer, Henry R. Cooke, CE:Apr 71:61
Soft-Ground Tunneling Technology on the BART Project, Edward W. Peterson and Peter Frobenius, CE:Oct 71:72

Tunneling (Excavation)
Construction Innovations In Reclamation Work, Bernard P. Bellport, CO1:Mar 71:79:7999
Control of Tunneling Machines by "TunneLaser" System, George P. Colson, CE:Feb 70:55
TR:136:82
Development of Tunneling Methods and Controls, Ellis L. Armstrong, CO2:Oct 70:99:7577
Difficult Excavation at Carley Porter Tunnel, Paul J. Varello, CE:June 70:66
TR:136:478
Impending Improvements in Soft Ground Tunneling, C. T. Brandt, Preprint No.1509, July 71
Laser Alignment Techniques Utilized in Tunneling, Austin Cooney, SU2:Sept 70:229:7545
TR:136:967
Prestressed Rock Anchors and Shotcrete for Large Underground Powerhouse, Michel Buro, CE:May 70:60
TR:136:427
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TR:136:143
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TR:136:193
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XUM

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TR:136:167
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Shotcrete Support in Rock Tunnels in Scandinavia, Owen S. Cecil, CE:Jan 70:72
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TR:136:143
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Tunnels
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Cabin Creek Pumped Storage Hydroelectric Project, Hugh W. Hight, PO1:Jan 71:135:7826
Design of Seismic Joint for San Francisco Bay Tunnel, Walter S. Douglas and Robert Warshaw, ST4:Apr 71:1129:8040
Development of Tunneling Methods and Controls, Ellis L. Armstrong, CO2:Oct 70:99:7577
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TR:136:1178
Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256
TR:136:830
Fourth Dimension for Urban Environment, Kenneth E. Sorensen, UP1:Apr 71:91:8064
Gravity and Gradients of Long Tunnels, H. S. Williams, SU1:Oct 69:11:6815
TR:136:205
Impending Improvements in Soft Ground Tunneling, C. T. Brandt, Preprint No.1509, July 71
Movement of Sand in Tunnels, Dagfinn K. Lysne, HY6:Nov 69:1835:6880
TR:136:263
Potrero Hill Slide and Correction, Travis Smith and Raymond Forsyth, SM3:Mar 71:541:8004
Response of Buried Cylinders Encased in Foam, Carl J. Costantino and Eban Vey, SM5:Sept 69:1159:6769
TR:136:1104
River Diversion for Boundary Dam, Adolf A. Schilling, PO3:June 70:319:7339
TR:136:1027
The 1970's: Civil Engineering Forecast-Part I, Kneeland A. Godfrey, Jr., CE:Apr 70:68
TR:136:278

Turbidity
Impact of Turbidity and Lake Sedimentation, G. Richard Marzolf, Preprint No.1547, Oct 71

Turbine Runners
Analysis of Large Complex Hydraulic Turbine Components, Edward J. Yanek, Preprint No.1410, Apr 71

Turbines
Design Criteria for Turbine-Generator Pedestals, Asadour H. Hadjian, PO1:Jan 70:1:6991
Design of Carters Pumped Storage Project, Walter W. Burdin, PO3:June 70:383:7353
TR:136:1129
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TR:136:86
Transporting Equipment for Grand Coulee Third Plant, Harold G. Arthur, PO2:Nov 68:125:6226
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Diffusion of Sediment in Developing Flow, Robert P. Apmann and Ralph R. Rumer, Jr., HY1:Jan 70:109:7018
TR:136:415
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540
Dispersion Prediction from Current Meters, Mervin D. Palmer and J. Bryan Izatt, HY8:Aug 70:1667:7464
TR:136:1114
Drag Coefficients in Nonsteady Turbulent Flow, Alex J. Sutherland and David J. Painter, HY7:July 71:1031:8233
Effects of Helix Angle on Flow in Corrugated Pipes, Edward Silberman, HY11:Nov 70:2253:7685
Experiments on Plane Couette Flow, Hans J. Leutheusser and Vincent H. Chu, HY9:Sept 71:1269:8367
Flow Visualization in Turbulent Boundary Layers, Joseph A. Clark and Eric Markland, HY10:Oct 71:1653:8459
Flux Development Region in Submerged Jets, W. Hall C. Maxwell, EM6:Dec 70:1061:7756
TR:136:1324
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177
TR:136:1017
Limitations on the Measurement of Turbulence Using a Laser Doppler Velocimeter, W. K. George and J. L. Lumley, Preprint No.1345, Jan 71
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9:Sept 71:1367:8373
A Model for Turbulent Transfer in the Wall Region, Lindon C. Thomas and Liang T. Fan, TN: EM1:Feb 71:169:7858
Nonlinear Flow in Porous Media, Nazeer Ahmed and Daniel K. Sunada, HY6:Nov 69:1847:6883
TR:136:818
Photomicroscopic Sublayer Velocity Measurement, Harry G. Wenzel, Jr. and Michael J. Mathews, HY12:Dec 70:2467:7724
Predicting Concentration Profiles in Open Channels, Harvey E. Jobson and William W. Sayre, HY10:Oct 70:1983:7618
Response of Cooling Tower to Turbulent Wind, Noel J. Gardner, ST10:Oct 69:2057:6812
TR:136:273
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Rotary Flow Meter as Turbulence Transducer, Erich J. Plate and James P. Bennett, EM6:Dec 69:1307:6955
TR:136:364
Some Turbulence Measurements in Open-Channel Flow, Raul S. McQuivey and Everett V. Richardson, HY1:Jan 69:209:6349
TR:136:33
Stochastic Model of Turbulent Channel Flow, Jay C. Hardin and Arnold L. Sweet, EM2:Apr 71:375:8056
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TR:136:403

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TR:136:570
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TR:136:662

Turbulent Boundary Layer
Anemometer Height in Froude Scaling of Wind Stress, Jin Wu, WW1:Feb 71:131:7873

Turbulent Diffusion
Dispersion in Natural Streams, Mahendra K. Bansal, HY11:Nov 71:1867:8540

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Aeroelastic Instability of Prisms in Turbulent Flow, Milos Novak and Alan G. Davenport, EM1:Feb 70:17:7076
TR:136:495
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TR:136:202
Stochastic Model of Turbulent Channel Flow, Jay C. Hardin and Arnold L. Sweet, EM2:Apr 71:375:8056
Tests on Cylinders in Turbulent Flow, Walter H. Graf and Stephen C. Ko, TN: HY8:Aug 71:1265:8274
Turbulent Flow Over Moving Boundary, Konstantin Zagustin, En Yun Hsu and Robert L. Street, WW4:Nov 68:397:6210
TR:136:626
Work-Energy Equation for the Streamline, Hunter Rouse, HY5:May 70:1179:7300
TR:136:1228

Two Dimensional Flow
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Two Phase Flow
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Initial Economic Evaluation of Slurry Pipeline Systems, E. J. Wasp, T. L. Thompson and T. C. Aude, TE2:Apr 71:271:8106
Movement of Small Gas Bubbles in Smoothly Decelerating Liquid, Subba Rao Gutti, HY7:July 71:117:8251
Sand Fill Pumped 15 Miles for Interstate Construction, John W. Sill, CE:Feb 71:44
Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY7:July 70:1503:7423
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TR:136:764

Ultimate Strength
Breaking Load for Rigid Pavement, K. K. Ghosh and M. Dinakaran, TE1:Feb 70:87:7108
TR:136:400
Design of Browns Ferry Chimney, John W. Smith and Asgeir Jonsson, PO3:June 70:437:7359
TR:136:1127
Reinforced Concrete Rectangular Columns in Torsion, Alfred G. Bishara and Jong-Cherng Peir, ST12:Dec 68:2913:6305
TR:136:29
Ultimate Strength of Folded Sandwich Panel Roofs, Paul P. Fazio, Preprint No.1382, Apr 71
Ultimate Strength of Plates in Uniaxial Compression, Archibald N. Sherbourne and R. M. Korol, Preprint No.1386, Apr 71

Ultimate Strength Design
Maximum Safe Loading of Folded Plate Structures, Morris N. Fialkow, Preprint No.1380, Apr 71

Ultimate Strength Method
Effects of Reinforcements on Ductility of Concrete, Surendra P. Shah and B. Vijaya Rangan, ST6:June 70:1167:7366
TR:136:1262

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Decisions under Uncertainty in Construction Management, Tung Au and Richard M. Shane, Preprint No.1355, Apr 71
Subjective Uncertainty Analysis, C. B. Brown and R. S. Leonard, Preprint No.1388, Apr 71

Underground Facilities
Dworshak Dam Underground Crushing Chamber, Charles O. Faris, Preprint No.1313, Jan 71
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Dsc: C. F. Whitehead, CE:Sept 71:93

Underground Storage
Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579
Crude Storage: Tanks or Caverns?, M. P. Daruwalla and J. N. Hagg, CE:Apr 71:38
Design of FRP Fluid Storage Vessels, Frank J. Heger, ST11:Nov 70:2465:7698
TR:136:1276

Underground Structures
Design of Underground Pumping Chamber at Lake Mead, Robert R. Rising and Gayle A. Erickson, Preprint No.1338, Jan 71
Interaction of Waves with Submerged Objects, C. J. Garrison and V. Seetharama Rao, WW2:May 71:259:8111
Mixing-in-Place Soil and Portland Cement, James L. Sherard, SM6:Nov 69:1357:6909
TR:136:305
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Undersea Mineral Deposits
Dredging Methods For Deep-Ocean Mineral Recovery, John B. Herbich, WW2:May 71:385:8120

Underwater Construction
Angat Project - The Leak in Tunnel Two, Wallace A. Waldorf, PO4:Dec 71:799:8571
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TR:136:496

XUM

Concrete Hulls for Undersea Applications, Harvey H. Haynes, Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
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TR:136:706
Seafloor Surveying by Divers, John B. Ciani, E. Kent Hunter, George B. Dowling and David M. Bunk, SU2:Nov 71:149:8496
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Underwater Environments
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Hydraulic Trenching of Submarine Pipeline, H. Ivan Schwartz, TN: TE4:Nov 71:723:8489

Underwater Structures
Cylindrical Concrete Hulls under Hydrostatic Loading, Harvey H. Haynes and N. D. Albertsen, Preprint No.1363, Apr 71
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Structural Aspects of Deep Submersible Structures, B. T. Woodland, Preprint No.1412, Apr 71

Underwater Welding
1,250-ton Rotating Derrick, David M. Herring, CE: July 71:53

Undrained Shear Tests
Comparison of Plane Strain and Triaxial Tests on Sand, Kenneth L. Lee, SM3:May 70:901:7276
TR:136:910

Uniform Flow
Limit Slope in Uniform Computations, Nagar S. Lakshmana Rao and Kalamear Shridharan, HY1: Jan 70:95:7011
TR:136:398

Unionization
The Alternative to Unionism, William H. Wisely, CE: Feb 71:43
Dsc: Christopher P. Kittides, CE:May 71:59; Stanley I. Hart, CE:May 71:78; Edward A. Bryant, CE:May 71:78
Effect of Changes in Civil Engineering Profession, John J. Cusack, PP1:Sept 70:107:7563
TR:136:1142
Engineer Firms Face Unionization, Larry N. Spiller, CE:Apr 71:49
Dsc: Richard Schindler, CE:Aug 71:38
Open-Shop Movement Slithers Into Construction Contracting, Robert N. Olsen, CE:Nov 71:40
Professionalism and Unionization-Starting a Program, Jack W. Pierce, PP1:Sept 70:25:7550
TR:136:962
To Unite or Not to Unite, Simon Perliter, Preprint No.1440, July 71

Unit Hydrographs
Data Error Effects in Unit Hydrograph Derivation, Eric M. Laurenson and Terence O'Donnell, HY6: Nov 69:1899:6887
TR:136:861

Unit Weight
Rational Model Describing Slope Erosion, Dale L. Rowlison and Glen L. Martin, IR1:Mar 71:39:7981.

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De Saint-Venant Equations Experimentally Verified, Willem F. Brutsaert, HY9:Sept 71:1387:8378
Implicit Flood Routing in Natural Channels, Michael Amein and Ching S. Fang, HY12:Dec 70:2481:7773
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TR:136:450
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TR:136:1299
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TR:136:1278
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TR:136:142
Transients in Pipelines Carrying Liquids or Gases, Victor L. Streeter, TE2:Feb 71:15:7884
Unsteady Drawdown in Well Groups, Raymond J. Krizek, Gabor M. Karadi and D. Babu Rao, HY10: Oct 71:1625:8436
Unsteady Free Surface Ground Water Seepage, Rameshwar D. Verma and Wilfried Brutsaert, HY8: Aug 71:1213:8337
Unsteady Seepage Toward Narrow Ditch, Bruce W. Hunt, HY10:Oct 70:1953:7586
TR:136:1152

Uplift Piles
Tension Piles and Diagonal Tie-Backs, Norman L. Liver, CO1:July 69:107:6692
TR:136:1124

Uplift Pressure
Pile Tips and Barbs Prevent Ice Uplift, James E. Muschell, CE:June 70:41
TR:136:433
Stability of Structures on Permeable Foundations, Satya P. Garg and A. S. Chawla, HY4:July 69: 1095:6648
TR:136:123

Urban Areas
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TR:136:511

Urban Development
The Aftereffects of Annexation--A Case Study, Russell E. Helms, UP1:Apr 69:15:6490
TR:136:811
ASCE'S Response to the Spencer Proposals, Alfred Board of Direction,ASCE, CE:Aug 70:46
TR:136:613
Basic Contemporary Urban Problems, Felipe U. Derteano, UP2:Oct 70:133:7608
Black People Call for ASCE Social Action, Ralph E. Spencer, CE:Dec 69:73
Dsc: T. H. Evans, CE:Mar 70:42; Frank T. White, CE:Mar 70:42; Harold M. Maxwell, CE:Mar 70:42; Robert Kiehl, CE:Mar 70:53; Edward P. Lewis, CE:Mar 70:42; William E. Dunn, CE: Apr 70:49; ASCE's Response to the Spencer Proposals, CE:Aug 70:46; Delon Hampton, CE: Jan 71:45; Frederick E. Jordan, CE:Jan 71:45

The City and the Civil Engineer, Walter G. Heintzleman, PP1:Oct 71:55:8479
Computer Systems for Urban Design and Development, Niles O. Sutphin, William F. Sommerfeld, Lavett C. Teague, Jr. and G. Neil Harper, UP1:Apr 71:63:8055
Current Mass-Transit Proposals: Answer to Our Commuter Problem?, Martin Wohl, CE:Dec 71:68
Design Concept for Assigning Urban Space, Richard W. Cockfield and Virginia K. Handa, UP2:Dec 71: 191:8582
Designing Arterial Streets for Safety, Laurence A. Dondanville, TE1:Feb 71:43:7885
Economics of Solid Waste Investment Decisions, Robert M. Clark, UP1:Mar 70:65:7151
Esthetics of Urban Transportation Facilities, Charles E. De Leuw, TE1:Feb 69:23:6390
TR:136:4
Games for Simulating Urban Development Process, Harvey O. Haack and George L. Peterson, UP2: Dec 71:149:8568
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
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Is Joint Development the Chicken, or the Egg?, Constantine Sidamon-Eristoff, TE3:Aug 71:469: 8315
Ketchikan Waterfront Development, Robert V. Kycek and Peter Semrad, Preprint No.1554, Oct 71
Locational Models for Solid Waste Management, Billy P. Helms and Robert M. Clark, UP1:Apr 71:1: 8061
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Optimum Housing Allocation Model for Urban Areas, R. S. Atkins and Edward M. Krokosky, UP1:Apr 71:41:8022
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Population and People, William H. Wisely, CE:Dec 70:27
Dsc: Duane L. Cronk, Edmund S. Muskie, Robert Taft, Jr., Peter C. Kohnke and Victor H. Weidmann, CE:Apr 71:40; Eugene H. Harlow, CE:Apr 71:41; Paul J. Costic, III, CE:Apr 71: 41; Harvey E. Jobson and Harold B. Gotaas, CE:Apr 71:41; Robert L. McFall, Victor L. Hauser and Lawrence P. Kolb, CE:Apr 71:41; Graham Purcell, CE:Apr 71:41; James Abourezk, CE:Apr 71:4; Wilson V. Binger, CE: Apr 71:41; R. O. Sylvester, Frank E. Stratton and David H. Howells, CE:Apr 71:41; Peter G. Koltnow, CE:Apr 71:
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028
TR:136:937
Regional Control Supplied by Photogrammetry, G. Carper Tewinkel, SU1:May 71:13:8136
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Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128
TR:136:853
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144
TR:136:906

Urbanization

Effect of Urbanization on Storm Water Peak Flows, Pedro C.C. DaCosta, SA2:Apr 70:187:7198
TR:13:503

Urban Planning

The Aftereffects of Annexation--A Case Study, Russell E. Helms, UP1:Apr 69:15:6490
TR:136:811
Amortization of Nonconforming Uses in Flood Plains, William R. Walker, UP1:Mar 70:1:7125
TR:136:779
Analysis of Transportation Planning Education, Lester A. Hoel, TE2:May 70:123:7255
TR:136:1204
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TR:136:800
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Community Decision Structure and Urban Planning Process, Thomas J. Hillegass, Charles C. Schimpeler and William L. Grecco, UP1:Mar 70:17: 7126
Contributions of the Federal-Aid Highway Program, Francis C. Turner, CE:June 70:71
Dsc: Edward A. Merrill, CE:Nov 70:39
TR:136:486
Developing a Handbook for Subway Ventilation, Norman H. Danziger, Preprint No.1520, July 71
Economics of Solid Waste Investment Decisions, Robert M. Clark, UP1:Mar 70:65:7151
Environmental Health and Community Planning, Joseph A. Salvato, Jr., UP1:Aug 68:23:6084
TR:136:238
Environment by Design, William L. Slayton, CE:Oct 71:85
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Express Bus Mass Transit, Joseph Barnett, TE2:May 70:133:7256
TR:136:830
Forecasting Water Demands and Systems Capabilities, Wyndham J. Roberts, Sandor C. Csallany and Neil G. Towery, SA6:Dec 70:1349: 7745
General Aviation's Urban Airport Capacity Problem, Walter E. Gillfillan, TE1:Feb 70:79:7109
TR:136:729
Homogeneity Analysis and Planning Studies, Robert E. Paaswell, UP2:Dec 71:125:8561
Improvement of Land Titles, Robert Lewis Zeman, SU1:May 71:113:8132
Instruction in Urban Planning for Civil Engineers, Peter S. Parsonson, UP1:Mar 70:23:7127
TR:136:1303
Integrating the Planning and Management of Metropolitan Water Resources into a Regional Context, Alexander B. Bigler, UWRM:p.81, 1971
Is Joint Development the Chicken, or the Egg?, Constantine Sidamon-Eristoff, TE3:Aug 71:469: 8315

XUM

Ketchikan Waterfront Development, Robert V. Kycek and Peter Semrad, Preprint No.1554, Oct 71
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TR:136:926
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TR:136:828
Mobile Home Parks and American Municipalities, Stephen Sussna, UP2:Dec 71:139:8562
Multiservice Transport Systems for Urban Mobility, Leon Monroe Cole, UP1:Apr 71:31:8025
National Mapping for Urban Areas, Robert H. Lyddan, SU2:Sept 70:143:7520
TR:136:849
Nature of and Need for Interdisciplinary Attacks on Problems of Urban Water Management, J. Ernest Flack, UWRM:pp.106-110, 1971
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TR:136:715
Optimal Routing of Refuse Collection Vehicles, Richard M. Bodner, E. Alan Cassell and J. Peter Andros, SA4:Aug 70:893:7451
TR:139:1274
Optimum Housing Allocation Model for Urban Areas, R. S. Atkins and Edward M. Krokosky, UP1:Apr 71:41:8022
Plan for Financing Urban Mass Transit Systems, Robert T. Howe, TE2:May 70:219:7286
TR:136:852
Planning and Engineering by Agency-Consultant Team, Louis W. Riggs, UP2:Oct 70:105:7585
TR:136:908
Planning for a New Town, Daniel W. Moore, UP1: Apr 71:79:8065
Planning Standards for Storm Drainage, Myron D. Calkins, UP1:Mar 70:53:7133
TR:136:869
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TR:136:108
A Program For New Towns, Ira J. Bach, UP1:Apr 71:55:8059
Proposals for Gaining Acceptance for Gaining Acceptance for Urban Freeways, Andrew S. Balbiani, Richard J. Naish and Daniel M. Reisner, TE4:Nov 70:585:7672
TR:136:1278
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Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280
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TR:136:1172
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TR:136:783
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TR:136:948
Systems Innovations for Urban Transportation, Robert A. Burco and Clark D. Handerson, TE2: May 71:205:8126
Tall Buildings--A Technological Assessment, Thomas C. Kavanagh, PP1:Oct 71:111:8476
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Topics Fund Apportionment Formula, Mo C. Li, Preprint No.1459, July 71
Urbanization's Drainage Consequence, Paul O. Reimer and Joseph B. Franzini, UP2:Dec 71:217: 8600
Urban Mass Transportation Planning, Lyle G. Wermers, UP1:Mar 70:41:7128
TR:136:853
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144
TR:136:906
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TR:136:788
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TR:136:689
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Selected Bus Demonstration Projects, Louis J. Pignataro, John C. Falcocchio and Roger P. Roess, TE3:Aug 70:251:7454
TR:136:947

Urban Sociology

CE Students Learn Through Socially Useful Projects, Fred W. Lamar, CE:Jan 71:60
Community Decision Structure and Urban Planning Process, Thomas J. Hillegass, Charles C. Schimpeler and William L. Grecco, UP1:Mar 70:17: 7126
Mathematical Models of Location: A Review, David H. Marks, Charles S. ReVelle and Jon C. Liebman, UP1:Mar 70:81:7164
TR:136:926

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TR:136:800
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TR:136:4
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Financing Metro, William I. Herman, TE4:Nov 70: 571:7680
TR:136:1291
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Dsc: Carl Zweben, CE:Sept 71:54
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TR:136:1105
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Multiservice Transport Systems for Urban Mobility, Leon Monroe Cole, UP1:Apr 71:31:8025
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Noise Environments in Public Transportation, Don E. Bray, Preprint No.1469, July 71
Optimization of Traffic Flow for Urban Freeways, Azmi Kaya, Preprint No.1447, July 71
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Philadelphia Regions' Urban Corridor Demonstration Program, Ira N. Pierce, NA:Mar 71:161
Planning for the Metro, Thomas B. Deen, TE3:Aug 70:349:7476
TR:136:1136
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Proposed Tracked Air Cushion Vehicle System for Los Angeles International Airport, William M. Schoenfeld, NA:Mar 71:115
The Role of VTOL Aircraft in Urban Mass Transportation, F. N. Piasecki, NA:Mar 71:85
Small Budget Rapid Transit, Louis T. Klauder, NA: Mar 71:69
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Urethanes
California Seals Salt-Damaged Bridge Decks, Robert L. Boulware and Arthur L. Elliott, CE:Oct 71:42

Utilities
Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
Mobile-Home Parks, David A. Alley, Ivan Orton and John L. Young, CE:Sept 71:88
Testing Of Large Curved Prestressing Tendons, Gunnar A. Harstead, Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475: 7966

XUM

Value Engineering
Bridge Design Considering Scour and Risk, Emmett M. Laursen, TE2:May 70:149:7262
TR:136:432
Control of Quality-A System, Edward A. Abdun-Nur, CO2:Oct 70:119:7576
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Valves
Choking and Supercavitating Valves, J. Paul Tullis, HY12:Dec 71:1931:8593
Reducing Cavitation in Valves, J. Paul Tullis and M. M. Skinner, HY6:Nov 68:1475:6255
TR:135:309

Vane Shear Tests
Collapse of Fargo Grain Elevator, Reymond L. Nordlund and Don U. Deere, SM2:Mar 70:585:7172
TR:136:847
Torsional Stiffness of Embedded Footings, Movses J. Kaldjian, SM7:July 71:969:8241

Variability
Some Factors Influencing Required Reservoir Storage, Stephen J. Burges and Ray K. Linsley, HY7:July 71:977:8227

Variance (Statistics)
Variational Principles for Flow in Porous Media, Shlomo P. Neuman and Paul A. Witherspoon, EM2:Apr 71:359:8023

Variations
Inelastic Finite Deformation of Planar Frames, Raouf A. Ridha and Lawrence H. N. Lee, EM3:June 71:773:8198

Vegetation
Simulation of Water Yield from Devegetated Basins, George Fleming, IR2:June 71:249:8175

Vehicles
Active Control of Vehicle Air Cushion Suspensions, D. A. Hullender, D. N. Wormley and H. H. Richardson, Preprint No.1499, July 71
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70:593:7591
TR:136:1140
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Low-speed Operation of the Linear Induction Motor Test Vehicle, K. M. Chirgwin, Preprint No.1504, July 71
Multiservice Transport Systems for Urban Mobility, Leon Monroe Cole, UP1:Apr 71:31:8025
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Vehicular Traffic
Satellite Transit at Seattle-Tacoma Airport, Ralph Mason, Preprint No.1458, July 71
Vehicle-roadway Interaction Studies by a Mathematical Model, Hayes E. Ross, Jr. and Don L. Ivey, Preprint No.1451, July 71

Vehicular Traffic Control
Benefits from TOPICS-type Improvements, H. Jack Leonard, CE:Feb 71:62
Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
Major Research Studies on Signs, Lights and Guardrails, James R. Novak and Krieger W. Henderson, Jr., TE4:Nov 70:523:7663
TR:136:1263

Velocity
Anemometer Height in Froude Scaling of Wind Stress, Jin Wu, WW1:Feb 71:131:7873
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
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TR:136:871
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TR:136:208
Designing Fail-Safe Structures of Highway Safety, Flory J. Tamanini, TE2:May 71:305:8150
Flow Analysis of Large Triangular Weit, Donn G. DeCoursey and Bruce J. Blanchard, HY7:July 70:1435:7405
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
Integrating-Float Measurements at Low Velocities, Henry Liu and Larry D. Martin, HY1:Jan 70:143:7027
TR:136:423
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TR:136:860

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Control Surveys for Major Bridges, Normand L. Moore and Richard G. Begell, SU1:May 71:83:8098

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Vertical Takeoff Aircraft
The Role of VTOL Aircraft in Urban Mass Transportation, F. N. Piasecki, NA:Mar 71:85
STOL Passenger Demand in Underdeveloped Areas, Jason C. Yu, TE3:Aug 71:475:8298

Vessels
Structural Behavior of Prestressed Concrete Reactor Vessels, Stanley L. Paul, ST7:July 71:1879:8249
Ultimate Energy Design of Prestressed Concrete Fender Piling, Shu-t'ien Li and Venkataswamy Ramakrishnan, WW4:Nov 71:647:8527

Vibration
Aeroelastic Instability of Prisms in Turbulent Flow, Milos Novak and Alan G. Davenport, EM1:Feb 70:17:7076
TR:136:495
Aeroelastic Stability of Unstiffened Suspension Bridges, Daniel Dicker, EM6:Dec 71:1677:8615
Ambient Vibration of Two Suspension Bridges, V. R. Mc Lamore, Gary C. Hart and Ian R. Stubbs, ST10:Oct 71:2567:8454
Analysis of Dynamic Response of Highway Bridgeu, Anestis S. Veletsos and Tseng Huang, EM5:Oct 70:593:7591
TR:136:1140
Asymptotic Stability Analysis of Viscoelastic Systems, Rong-Chung Shieh, EM2:Apr 71:193:8035
Buckling and Vibrations of Polygonal and Rhombic Plates, Sanford B. Roberts, EM2:Apr 71:305:8030
Buckling of Columns with Random Initial Displacements, Michael C. Bernard and John L. Bogdanoff, EM3:June 71:755:8194
Cable-Stayed Bridges - A State of the Art, Walter Podolny, Jr. and John F. Fleming, Preprint No.1346, Jan 71
Calculated and Observed Vibration Amplitudes, Peter J. Moore, SM1:Jan 71:141:7789
Data Reduction from Nonlinear Response Curves, Milos Novak, EM4:Aug 71:1187:8300
Densification and Shear of Sand During Vibration, T. Leslie Youd, SM3:May 70:863:7272
TR:136:944
Drag or Along-Wind Response of Slender Structures, J. J. Vickery and Kvan H. Kao, Preprint No.1384, Apr 71
Dynamic Analysis of Plane Coupled Shear Walls, Wai K. Tso and Ho-Bong Chan, EM1:Feb 71:33:7899
Dynamic Analysis of Staggered Truss Framing System, Raj P. Gupta and Subhash C. Goel, Preprint No.1392, Apr 71
Dynamic Stability of Circular Cylindrical Sandwich Panels, Conor D. Johnson and Nelson R. Bauld, Jr., EM6:Dec 71:1643:8598
Dynamic Stability of Tube Conveying Fluid, Shoei-sheng Chen, EM5:Oct 71:1469:8420
Dynamic Structure-Soil Wave Model for Deep Water, Billy L. Edge and Paul G. Mayer, WW1:Feb 71:167:7889
Earthquake Interaction by Fast Fourier Transform, Shih-Chi Liu and Lawrence W. Fagel, EM4:Aug 71:1223:8324
Eigenvalue Analysis of Structures by Folding Force, Itio Hirai and Torazo Yoshimura, EM6:Dec 70:1081:7728
TR:136:1301
Errors in Step Wise Solutions to Bridge Vibrations, David R. Schelling, ST10:Oct 70:2045:7600
TR:136:1192
Flexural Vibrations of Laminated Plate, Jan D. Achenbach and Tony R. Zerbe, EM3:June 71:619:8181
Flexural Vibrations of Rectangular and Other Polygonal Plates, Yau-Kai Cheung and M. S. Cheung, EM2:Apr 71:391:8038
Free Transverse Vibration of Flat Slabs, Paul P. Lynn and Nahit Kumbasar, EM1:Feb 69:255:6425
TR:136:727
Free Vibration Characteristics of Shell Roofs, Anand S. Arya and Shashi K. Thakkar, EM1:Feb 71:109:7929
Free Vibration of Hyperbolic Cooling Towers, Mahmoud G. Hashish and Salman H. Abu-Sitta, EM2:Apr 71:253:8037
Free Vibration of Two-Dimensional Frameworks, Karl-Robert Leimbach and Donald McDonald, ST2:Feb 70:267:7082
TR:136:558
Free Vibrations of Hyperboloidal Shells of Revolution, Robert L. Carter, Arthur R. Robinson and William C. Schnobrich, EM5:Oct 69:1033:6808
TR:136:260
Freight Transportation Vibration Environment, Robert W. Luebke, Preprint No.1500, July 71
Fundamental Frequencies of Axially Moving Beams, Chien-Yung Wei and John Peddieson, Jr., TN: EM4:Aug 71:1343:8273
Improving Approximate Eigenvalues and Eigenvectors, Arthur R. Robinson and John F. Harris, EM2:Apr 71:457:8047
In-Situ Investigation Using SH-Waves, Marcis Kurzeme, SM2:Feb 71:341:7918
Lateral and Rocking Vibration of Footings, Anestis S. Veletsos and Yau T. Wei, SM9:Sept 71:1227:8388
Lift or Across-wind Response of Tapered Stacks, Barry J. Vickery and Arthur W. Clark, Preprint No.1385, Apr 71
Lift-Oscillator Model of Vortex-Induced Vibration, Ronald T. Hartlen and Iain G. Currie, EM5:Oct 70:577:7606
Maximum Dynamic Response and Proof Testing, J. N. Yang and E. Heer, Preprint No.1372, Apr 71
Maximum Dynamic Response and Proof Testing, Jann-Nan Yang and Ewald Heer, TN: EM4:Aug 71:1307:8273
Mechanical Excitation of Model Undersea Structure, C. P. Rains and Subrata K. Chakrabarti, Preprint No.1361, Apr 71
Natural Frequencies of Circular Arches, Joseph A. Wolf, Jr., ST9:Sept 71:2337:8393
Nonconservative Stability by Finite Element, C. D. Mote, Jr., EM3:June 71:645:8204
Nonlinear Parameters of Vibrating Foundations, O.M. Christof Ehrler, SM6:Nov 68:1199:6208
TR:136:640
Nonsymmetric Modes of Complete Spherical Shells, John F. Gormley and William C. L. Hu, EM3:June 69:545:6606
TR:136:632
On the Statistical Prediction of Structural Performance in the Wind Environment, Alan G. Davenport, Preprint No.1420, Apr 71
Oroville Intake Vibration Problems Resolved, Ernest C. James and Fredric T. Katakura, Preprint No.1323, Jan 71
Parametric Vibration Response of Columns, Martin L. Moody, EM3:June 69:665:6619
TR:136:81
Periodic Excitation of Multiple-Unit Impact Dampers, S. F. Masri, EM6:Dec 70:1195:7747
TR:136:1321
Prediction of Footing Vibrations, Milos Novak, SM3:May 70:837:7268
TR:136:923
Probabilistic Response Analyses to Earthquakes, R. Narayana Iyengar and Kashi T. Sundara Raja Iyengar, EM3:June 70:207:7321
Properties of Spectral Moments with Application to Random Vibration, Erik H. Vanmarcke, Preprint No.1375, Apr 71
Random Behavior of Columns, Paul H. Wirsching and James T. P. Yao, EM3:June 71:605:8183
Random Walk Model for First-Passage Probability, Richard H. Toland and Cheng Y. Yang, EM3:June 71:791:8200
Response Computation Using Truncated Taylor Serier, Joseph E. Grant, EM2:Apr 71:295:8019
Response of Beams and Plates to Moving Loads, D. M. Yoshida and William Weaver, Jr., Preprint No.1366, Apr 71
Response of Ground-Excited Elastoplastic Systems, Anestis S. Veletsos and William P. Vann, ST4:Apr 71:1257:8075
Response of Structures to Time-Varying Wind Loads, Arthur N. Chiu, ST2:Feb 70:381:7104
TR:136:585
Response of Triangular Prisms in Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, ST11:Nov 71:2679:8526

Rigid Pavement Stresses Under Aircraft Loading, Michael Sargious, Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492
Screening of Surface Waves in Soils, Richard D. Woods, PISST:pp.407-435, 1971
Seismic Design of Soil-Structure Systems, Richard A. Parmelee and John H. Wronkiewicz, ST10:Oct 71: 2503:8437
Sliding-Rocking Vibration Of Body On Elastic Medium, Robert T. Ratay, SM1:Jan 71:177:7849
Small Vibrations of Uniformly Compressed Isotropic Elastic Solids, Paul Seide, TN: EM4:Aug 71:1337: 8273
Small Vibrations of Uniformly Compressed Isotropic Elastic Solids, Paul Seide, TN: EM4:Aug 71:1337: 8273
Statistical Linearization for Nonlinear Structures, Wilfred D. Iwan and I-Min Yang, EM6:Dec 71: 1609:8576
Steady-State Response of Yielding Shear Structure, Wilfred D. Iwan, EM6:Dec 70:1209:7774
Stochastic Seismic Response of Structures, Patricio Ruiz and Joseph Penzien, EM2:Apr 71:441:8050
Structure-ground Interaction in Earthquakes, Johann H. Rainer, EM5:Oct 71:1431:8422
Studies Of Seismic Response Of Clay Banks, William D. Kovacs, H. Bolton Seed and Izzat M. Idriss, SM2:Feb 71:441:7878
Torsional Vibrations of Conical Frustum, Surendra R. Shah, EM5:Oct 71:1521:8452
Trash Rack Studies - Seneca Pumped-Storage Plant, David S. Louie and Arthur E. Allen, Preprint No.1284, Jan 71
U.S. Steel Headquarters Building, CE:Apr 70:58
TR:136:361
Vibrational Characteristics of Linear Space Frames, William D. Whetstone and Charles E. Jones, ST10: Oct 69:2077:6821
TR:136:297
Vibration Analysis of Pump Discharge Lines, Jesse M. Diaz and Ravinder K. Jain, HY11:Nov 70:2279: 7678
TR:136:1286
Vibration of Chimney Supported on Elevated Concrete Slab, Elias G. Abu-Saba, ST2:Feb 71:619: 7936
Vibration of Noncircular Foundations, Yong S. Chae, SM6:Nov 69:1411:6918
TR:136:335
Vibration Of Pipe Carrying Flowing Fluid, P. Srinivasan and V. Lakshminarayanan, TE2:May 70: 165:7265
TR:136:460
Vibration of Structures Having Changing Boundaries, Manuel A. G. Silva and Leon M. Keer, EM3:June 71:1007:8220
Vibration of Support Excited Tubes in Coaxial Flow, Stanley A. Knudson and Gerald S. Smith, EM6: Dec 70:1039:7775
Vibrations of Stacks Supported on Steel Structures, Anthony Morrone, ST12:Dec 69:2831:6965
TR:136:459
Vibrations of Timoshenko Beams and Frameworks, Franklin Y. Cheng, ST3:Mar 70:551:7155
TR:136:866
Walt Disney World Monorail, Robert F. Mast and Charles W. Dolan, Preprint No.1510, July 71
Wind Deflection of Tall Concrete Frame Buildings, John F. Wiss and Otto E. Curth, ST7:July 70:1461: 7413
Wind Induced Vibration in Light Poles, Hayes E. Ross, Jr. and Thomas C. Edwards, ST6:June 70: 1221:7383
TR:136:986

Vibration Damping

Stochastic Seismic Response of Structures, Patricio Ruiz and Joseph Penzien, EM2:Apr 71:441:8050
Vibration of Support Excited Tubes in Coaxial Flow, Stanley A. Knudson and Gerald S. Smith, EM6: Dec 70:1039:7775

Vibration Meters

Shock Spectra From Subsurface Nuclear Explosions, Frank W. Galbraith and Robert N. Schreiner, EM5: Oct 68:1015:6140
TR:136:53

Vibration Tests

Road Responses to Vibration Tests, Michael E. Szendrei and Charles R. Freeme, SM6:Nov 70: 2099:7709
TR:136:1289

Vibrators (Mechanical)

Vibrator for Soil Testing, Gerd F. Weissmann, TN: SM3:Mar 71:601:7962

Vibratory Compacting

Aswan High Dam: Rockfill Built Under Water, Taher Abu-Wafa and Aziz H. Labib, CE:Aug 71:64

Vibratory Compaction

Sand Densification by Heavy Vibratory Compactor, Douglas C. Moorhouse and Gerald L. Baker, SM4: July 69:985:6656
TR:136:1082
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Vibratory Densification of Damp Clayey Sands, Raymond J. Krizek and Jose I. Fernandez, SM8: Aug 71:1069:8320
Volume Changes in Sands During Cyclic Loading, Marshall L. Silver and H. Bolton Seed, SM9:Sept 71:1171:8354

Vibroflotation

Effects of Vibroflotation on Clayey Sands, Desmond L. Webb and R. Ian Hall, SM6:Nov 69:1365:6882
TR:136:233
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TR:136:1302
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Virology

Inactivation of Virus in Sewage, Vincent P. Olivieri, Thomas K. Donovan and Kazuyoshi Kawata, NSCD:pp.365-384, 1971
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TR:136:1064

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Viscoelasticity
Asymptotic Stability Analysis of Viscoelastic Systems, Rong-Chung Shieh, EM2:Apr 71:193:8035
Deformation and Stability of Viscoelastic Soil Media, Cetin Soydemir and Werner E. Schmid, SM6:Nov 70:2081:7708
Finite Elements and Dynamic Viscoelasticity, David W. Malone and Jerome J. Connor, EM4:Aug 71: 1145:8293
Large Deflections of Viscoelastic Rings, Michael Schoenberg, EM1:Feb 69:223:6410
TR:136:684

Viscosity
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208

Viscous Flow
Effects of Viscous Sublayer on Dispersion, Chin-lien Yen, SA6:Dec 69:1105:6971
TR:136:568
Steady Flow Past Flat Plate in Channel, Thomas L. Shaw, HY6:Nov 69:2013:6903
TR:136:306
Wall Effect on a Sphere in a Rotating Viscous Fluid, Philip K. Davis, HY10:Oct 70:2019:7625
TR:136:1052

Vocational Guidance
Engineering Societies' Program for Training Minority Manpower, Sol E. Cooper, PP1:July 69:61:6694
TR:136:301

Voids
Pore Size Distribution Studies, Asuri Sridharan, Adolph G. Altschaeffl and Sidney Diamond, SM5: May 71:771:8151

Volcanoes
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Volume
Area and Volume Errors in Reservoir Projects, Antonio M. Aguilar, Preprint No.1344, Jan 71

Vortices
Eddy Formation Behind Circular Cylinders, Alan D. K. Laird, HY6:June 71:763:8170
Flow Visualization in Turbulent Boundary Layers, Joseph A. Clark and Eric Markland, HY10:Oct 71: 1653:8459
Laboratory Study of Lift Forces on Circular Piles, Devidas D. Bidde, WW4:Nov 71:595:8495

Wages
Open-Shop Movement Slithers Into Construction Contracting, Robert N. Olsen, CE:Nov 71:40

Wakes
Waves Generated by Large Ships and Small Boats, M. M. Das and J. W. Johnson, 12CEC:pp.2281-2286, 1971

Wall Friction
A Model for Turbulent Transfer in the Wall Region, Lindon C. Thomas and Liang T. Fan, TN: EM1: Feb 71:169:7858
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Walls
Analysis of Shear Walls with Openings, Chiyyarath V. Girijavallabhan, ST10:Oct 69:2093:6824
TR:136:280
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Buckling of Light-Gage Corrugated Metal Shear Diaphragms, John T. Easley and David E. McFarland, ST7:July 69:1497:6683
TR:136:189
Compressive Strength of Brick Walls with Large Eccentricities, D. Watsein and M. H. Allen, Preprint No.1400, Apr 71
Construction Self-Weight Stresses of Precast Shear Walls, Donald H. Orme, Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840
Coupling Beams of Reinforced Concrete Shear Walls, Thomas Paulay, ST3:Mar 71:843:7984
Dynamic Analysis of Plane Coupled Shear Walls, Wai K. Tso and Ho-Bong Chan, EM1:Feb 71:33: 7899
Frequency Analysis of Thin-walled Shear Walls, Arthur C. Heidebrecht and Ravinora K. Raina, Preprint No.1358, Apr 71
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New Rectangular Finite Element for Shear Wall Analysis, Iain A. MacLeod, ST3:Mar 69:399:6464
TR:136:48
Optimal Multifactor Design Procedure for Sandwich Panels, Chester P. Smolenski and Edward M. Krokosky, ST4:Apr 70:823:7243
TR:136:1249
Plastic Design of Coupled Frame-Shear Wall Structures, Peter F. Adams and James G. MacGregor, ST9:Sept 70:1861:7505
Pressures of Standing Waves on Vertical Wall, Shoshichiro Nagai, WW1:Feb 69:53:6408
TR:136:34
Reinforced Masonry Bearing Walls Used in 13-Story Buildings, Robert F. Higgins, CE:Nov 70:40
TR:136:994
Response of Wall Panels Subjected to Blast Loading, Bernard L. Gabrielsen, Preprint No.1399, Apr 71
Simulated Seismic Loading of Spandrel Beams, Thomas Paulay, ST9:Sept 71:2407:8365
Strain in Brick Wall of Five-Story Building, J. G. Stockbridge, ST12:Dec 69:2955:6979
TR:136:793
Strength of Load-Bearing Masonry Walls, Felix Y. Yokel and Robert D. Dikkers, ST5:May 71:1593: 8143
Tests on Steel-Frame, Shear-Wall Structures, Sauren N.G. Majumdar and Peter F. Adams, ST4:Apr 71: 1097:8031
Treatment of Peak Gusts on Cladding, W. Alan Dalgliesh, ST9:Sept 71:2173:8356

Warpage
Behavior of Single Horizontally Curved Girder, Conrad P. Heins, Jr. and Kenneth R. Spates, ST7: July 70:1511:7420
TR:136:1031

Washington
Management and Regulations for the Future Basin Management Techniques, Charles V. Gibbs and Allan L. Poole, CWFE:Mar 71:65
The Puget Sound Ferry System, Lindsley Wilson, Preprint No.1428, July 71
Satellite Transit at Seattle-Tacoma Airport, Ralph Mason, Preprint No.1458, July 71
Unified Baggage Handling Systems at Seattle-Tacoma, Charles Davis, Preprint No.1452, July 71

Waste Dilution
Predicting Effects of Dead Zones on Stream Mixing, Edward L. Thackston and Karl B. Schnelle, SA2: Apr 70:319:7218
TR:136:1322

Waste Disposal
Characterization of Time-Varying Organic Loads, Alfred T. Wallace and Donald M. Zollman, SA3: June 71:257:8167
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71
Exotic Uses of Aquifers, Raphael G. Kazmann, IR3: Sept 71:515:8352
Inactivation of Virus in Sewage, Vincent P. Olivieri, Thomas K. Donovan and Kazuyoshi Kawata, SA5: Oct 71:661:8419
Ocean Dumping: What and Where, If at All?, Eugene E. Dallaire, CE:Nov 71:58
Processing and Recovery of Municipal Solid Waste, Robert F. Testin and Neil L. Drobny, SA3:June 70: 699:7345
TR:136:1266
Regional Water Quality Standards, Ralph Porges, SA3:June 69:423:6596
TR:136:78
Salvaging Obsolete Autos: Systems Approach to Materials Recycling, CE:Apr 71:52
Selecting Solid Waste Disposal Facilities, Billy P. Helms and Robert M. Clark, SA4:Aug 71:443:8280
Septic Tank Systems, Joseph A. Cotteral, Jr. and Dan P. Norris, SA4:Aug 69:715:6735
TR:136:174
Solidification of Sludges with Portland Cement, E. Alan Cassell and Thomas W. Walker, SA1:Feb 70: 15:7053
TR:136:411
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TR:136:66
Status of Radioactive Waste Disposal in U.S.A., Frank L. Parker, SA3:June 69:439:6597
TR:136:796
St. Louis Power Plant to Burn City Refuse, F. E. Wisely, G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59
What Industry is Doing About Pollution Control, Charles Hemming, CE:Sept 71:59

Waste Heat
Condenser Cooling and Pumped Storage Reservoirs, Eli Sefchovich, Preprint No.1292, Jan 71
Dry-type Cooling Towers, Edward A. Cecil, Paul R. Cunningham, Clarence J. Steiert and Rodger O. Young, Preprint No.1540, Oct 71
Waste Heat Disposal from Power Generating Stations, F. Stewart Brown, PO3:June 70:277:7317
TR:136:982

Wastes
Chlorination Dynamics in Wastewater Effluents, Yehuda Kott, SA5:Oct 71:647:8433
Economics of Solid Waste Investment Decisions, Robert M. Clark, UP1:Mar 70:65:7151
Processing and Recovery of Municipal Solid Waste, Robert F. Testin and Neil L. Drobny, SA3:June 70: 699:7345
TR:136:1266

Waste Storage
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71

Waste Treatment
Computer Design of CMAS Systems, Daniel W. Smith, SA4:Aug 70:977:7474
TR:136:1013
Economics from the Viewpoint of Industry, Nelson L. Nemerow, CWFE:Mar 71:279
Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71: 42
New Wastewater Treatment Processes: EPA Encourages Adoption, Charles L. Swanson, CE:Sept 71:49
Problems in Obtaining Adequate Sewage Disinfection, Harvey F. Collins, Robert E. Selleck and George C. White, SA5:Oct 71:549:8430
Treatment of Refinery Waste by Physicochemical Processes, Ju-Chang Huang and Michael G. Hardie, SA4:Aug 71:467:8318
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TR:136:1168
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TR:136:942

Waste Water
Agricultural and Urban Waste Water Reuse, Herman Bouwer and Russell F. Mann, Preprint No.1347, Jan 71
Chemical Treatment, Walter J. Weber and Tom H. Forrest, CWFE:Mar 71:183
The Design and Economics of Joint Wastewater Treatment Facilities, W. Wesley Eckenfelder, Jr. and Carl E. Adams, Jr., CWFE:Mar 71:291
Economics of Water Quality and Wastewater Control, Fred E. Case, CWFE:Mar 71:115
General Financial Programs for Regional and Large Wastewater Systems, Edwin A. Wells and Jack H. McMinn, CWFE:Mar 71:147
Industrial Waste Surcharges, Robert L. Coughlin, CWFE:Mar 71:323
The Nature of Education in Environmental Engineering at Universities, Rolf Eliassen, CWFE: Mar 71:221
New Directions for Wastewater Collection and Disposal, Daniel A. Okun, CWFE:Mar 71:157
New Trends in Tertiary Treatment, Vinton M. Bacon and Tom H. Forrest, CWFE:Mar 71:185
New York City Wastewater System Management, Martin Lang, CWFE:Mar 71:53
Proposed Environmental Quality Policy for ASCE, Ralph Stone, CWFE:Mar 71:373
Regional Planning Sewerage Systems, John D. Parkhurst, CWFE:Mar 71:337
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Waste Water Use
Agricultural and Urban Waste Water Reuse, Herman Bouwer and Russell F. Mann, Preprint No.1347, Jan 71

Water
Amoebic Cysticidal Properties of Halogens in Water, Richard Stringer and Cornelius W. Kruse, NSCD: pp.319-338, 1971
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, SA5:Oct 71: 617:8425
Calibration and Use of a Low Velocity Current Meter, Svein Vigander and Walter O. Wunderlich, Preprint No.1349, Jan 71
Clean Water Management: Objective Decisions or Emotional Reaction, Kerry W. Mulligan, CWFE: Mar 71:1
Clean Water: The Management Problem, Thomas Carroll, CWFE:Mar 71:13
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Data Retrieval on Thermal Pollution, Fred A. Limpert, CE:Nov 70:53
TR:136:1033
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Monitoring Water Pollution by Remote Sensing, James P. Scherz, SU2:Nov 71:307:8550
The Nature of Education in Environmental Engineering at Universities, Rolf Eliassen, CWFE: Mar 71:221
New Water for Northern Plains, Richard A. Schleusener, IR1:Mar 70:53:7145
TR:136:559
One-Dimensional Infiltration into Layered Soils, Yu-Si Fok, IR2:June 70:121:7343
Planning for Clean Water in Terms of the Ecology and Social Environment, P. H. McGauhey, CWFE: Mar 71:29
Rational Design of Wall Screens, Satya P. Garg and Jagroshan Lal, IR1:Mar 71:131:7969
Report on the Session on Planning for Clean Water in Terms of Ecology and the Social Environment, William F. Garber, CWFE:Mar 71:35
Statewide Management -- What Does the Future Hold?, Frank A. Butrico and James B. Coulter, CWFE:Mar 71:93
Status of Water Disinfection with Iodine, Riley N. Kinman, A. P. Black and W. C. Thomas, Jr., 4NSCD:pp.11-35, 1971
Subsurface Irrigation System Analysis and Design, Yu-Si Fok and Lyman S. Willardson, IR3:Sept 71: 449:8380
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TR:136:840
Water Accounting at Pumping Station S-5A in Florida, Claiborne F. Galliher, IR4:Dec 69:517: 6970
TR:136:282
Water and Health-Are We Concerned Enough?, Walter A. Lyon, SA5:Oct 70:1147:7595
Weather Modification Regulation, Richard A. Schleusener, IR3:Sept 70:281:7537
TR:136:1139
Youth Makes Waves About Dirty Water, Ray Morales and Ralph Wagner, CWFE:Mar 71:43

Water Analysis
Salmonellae in Fresh Water Pollution, Edwin E. Geldreich and Dale J. Van Donsel, NSCD:pp.495-514, 1971

Water Balance
Drainage Density in Drift-Covered Basins, John F. Orsborn, HY1:Jan 70:183:7033
TR:136:436
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078

Water Chemistry
Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, WW4: Nov 71:631:8494

Water Circulation
Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239

Water Conduits
Sixty Years of Rock Tunneling in Chicago, Milton Pikarsky, CO2:Nov 71:189:8504

Water Conservation
Effects on Water Supply Due to Salt Cedar Removal, William Hughes, Preprint No.1290, Jan 71

Water Consumption
Estimation and Use of Water Production Functions in Crops, Dan Yaron, IR2:June 71:291:8208
High Plains Irrigation and Texas Water Plan, Dan M. Wells, IR1:Mar 71:123:7960
Model of Natural Draft Cooling Tower Performance, Lawrence D. Winiarski and Bruce A. Tichenor, SA4:Aug 70:927:7461
TR:136:1028
Satisfying Water Needs in Southern California, Jack J. Coe, IR2:June 71:233:8193
Use of Atmometers in Estimating Evapotranspiration, John W. Shannon, IR3:Sept 68:309:6120
TR:136:840
Water Consumption Study for Navajo Plant, Paul Leung and Raymond E. Moore, PO4:Dec 71:749: 8564

Water Content
Vibratory Densification of Damp Clayey Sands, Raymond J. Krizek and Jose I. Fernandez, SM8: Aug 71:1069:8320

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Water Costs
High Plains Irrigation and Texas Water Plan, Dan M. Wells, IR1:Mar 71:123:7960

Water Current
Dynamics of Ship Anchor-Lines in Waves and Currents, Basil W. Wilson and Donald H. Garbaccio, WW4:Nov 64:449:6888
TR:136:275

Water Demand
Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078

Water Distribution
Analog Analysis of Water Distribution Networks, Don J. Wood, TE2:May 71:281:8112
Basic Needs of Urban Water Management on the Firing Line, Robert C. McWhinnie, UWRM:pp.8-13, 1971
Cavitation Parameters for Outlet Valves, W. Paul Winn and David E. Johnson, HY12:Dec 70:2519:7771
Computer Controls for Aqueduct Operation, Alfred R. Golze, PL1:Oct 68:19:6145
TR:136:536
Design Conduit System By Dynamic Programming, Rex K. Liang, CO1:Mar 71:383:7998
Design of Optimal "Water Distribution Networks, David Karmeli, Y. Gadish and S. Meyers, PL1:Oct 68:1:6130
TR:136:589
Efficient Code for Steady-State Flows in Networ , Robert Epp and Alvin G. Fowler, HY1:Jan 70:43:7002
TR:136:867
Estimation of Deep Freezing Indices, George McCormick, TE3:Aug 71:401:8276
Integrated Management of Metropolitan Water Services, Edwin L. Vopelak, UWRM:pp.36-42, 1971
Mathematical Model For Water Distribution Systems, Mehdi S. Zarghamee, HY1:Jan 71:1:7797
Optimization in Design of Hydraulic Network, Arun K. Deb and Asok K. Sarkar, SA2:Apr 71:141:8032
An Overview of Contemporary Approaches and Concepts in Metropolitan Water Management, George F. Mangan, Jr., UWRM:p.75, 1971
Resonance in Pressurized Piping Systems, Mohammad Hanif Chaudhry, HY9:Sept 70:1819:7525
Sixty Years of Rock Tunneling in Chicago, Milton Pikarsky, CO2:Nov 71:189:8504
Southern Nevada Water Project - Water for Las Vegas, Lloyd R. Porter, Preprint No.1286, Jan 71
Water Distribution with Traveling Gun Sprinklers, Richard E. Hanson, Preprint No.1321, Jan 71
Water-System Expansion Spurs New Tunnel Technology, Maynard M. Anderson, CE:Sept 70:69
TR:136:731

Water Distribution (Applied)
Design Conduit System by Dynamic Programming, Tung Liang, HY3:Mar 71:7988
Research Topics for Small Irrigation Structures, Gaylord V. Skogerboe, Wynn R. Walker, Brent B. Hacking and Lloyd H. Austin, IR3:Sept 70:309:7542
TR:136:1073

Water Filters
Backwashing of Granular Water Filters, Thomas R. Camp, S. David Graber and Gerard T. Conklin, SA6:Dec 71:903:8605
Theoretical Evaluation of Filter Modeling Experiments, Charles R. Ott and Richard H. Bogan, SA2:Apr 70:455:7233
TR:136:838

Water Flow
Aeration of Flow Below Navigation Dams - St. Paul District, Henry W. Harich, Preprint No.1561, Oct 71
Aqueducts for the Least Cost Conveyance of Water, Nephi A. Christensen, IR3:Sept 71:483:8381
Basin Tracer Curves Interpreted by Basic Analytics, A. Adler Hirsch, SA6:Dec 69:1031:6951
TR:136:269
Calibration of Walnut Gulch Supercritical Flumes, Wendell R. Gwinn, HY8:Aug 70:1681:7479
Cross-Velocity Behavior in Parallel Channel Flow, James F. Wilson, EM4:Aug 69:921:6736
TR:136:208
Dispersion and Flushing of Pollutants in Extuaries, Donald W. Pritchard, HY1:Jan 69:115:6344
TR:136:875
Effect of Flume Width on Bed-Form Characteristics, Maurice J. Crickmore, HY2:Feb 70:473:7077
TR:136:498
Effect of Openings on Design of Subsurface Drains, Glenn O. Schwab, Darrell W. DeBoer and Howard P. Johnson, IR1:Mar 69:199:6480
TR:136:41
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110
Fate of Thermally Polluted Surface Water in Rivers, Cheng-Lung Chen, SA3:June 71:311:8197
Flood Flow Downstream from Slide, Harold P. Guy, TN: HY4:Apr 71:643:8018
Flow Through Rockfill Dam, Horace A. Johnson, SM2:Feb 71:329:7914
Fluorometer Calibration Curves and Nomographs, Thomas A. Butts, SA4:Aug 69:705:6728
TR:136:145
Horizontal Surface Discharge of Warm Water Jets, Nobuyuki Tamai, Robert L. Wiegel and Gordon F. Tornberg, PO2:Oct 69:253:6847
TR:136:719
Hot-Film Turbulence Measurements in Water Flow, Francois J. Resch, HY3:Mar 70:787:7177
TR:136:1017
Hydraulic Properties of Small Unlined Rock Tunnels, Seppo Priha, HY4:July 69:1181:6672
TR:136:167
Hydroelectric Power Plant Trashrack Design, Lloyd E. Sell, PO1:Jan 71:115:7819
Laminar and Turbulent Overland Flow Hydrographs, James R. Morgali, HY2:Feb 70:441:7069
TR:136:998
Linear Proportional Weirs, P. Sreenivasulu and R. Raghavendran, HY2:Feb 70:379:7062
TR:136:892
Manning Formula-A Misnomer, Garnett P. Williams, HY1:Jan 70:193:7036
TR:136:554
Markov Models for Flow Regulation, Moshe Gablinger and Daniel P. Loucks, HY1:Jan 70:165:7031
The Measurement of Tidal Water Transport in Channels, R. E. Klein, 12CEC:pp.1887-1901, 1971
Mechanics of Sheet Flow Under Simulated Rainfall, Yong Nam Yoon and Harry G. Wenzel, Jr., HY9:Sept 71:1367:8373
Nondimensional Gradually Varied Flow Profiles, Cheng-lung Chen and Chun-Tsung Wang, HY5:Sept 69:1671:6790
TR:136:228
Optical Current Meter Use in Southern California, Thomas S. Chandler and Winchell Smith, HY9:Sept 71:1461:8390
Particle Size of River Sediments, George Fleming and Thomas Poodle, HY2:Feb 69:431:7068
TR:136:482
Photomicroscopic Sublayer Velocity Measurement, Harry G. Wenzel, Jr. and Michael J. Mathews, HY12:Dec 70:2467:7724
Radioisotopes and Turbine Flow Measurements, J. C. Schuster and R. L. Hansen, Preprint No.1294, Jan 71
Refraction of Water Waves, Jurgen A. Battjes, WW4:Nov 68:437:6206
TR:136:637

Runoff Grouping for Detection of Change in Runoff, Hiroshi Nakamichi and Hubert J. Morel-Seytoux, IR2:June 71:275:8201
Salinity Intrusion Effects in Estuary Shoaling, Donald R.F. Harleman and Arthur T. Ippen, HY1:Jan 69:9:6340
TR:136:772
Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual, Vito A. Vanoni, Chmn., HY1:Jan 71:101:7786
Seepage Under Structure on Four Soil Strata, Charles W. Lenau, EM2:Apr 71:223:8058
Single Particle Radioactive Sediment Tracers, Neil S. Grigg, Preprint No.1301, Jan 71
Soft-ground Tunneling for Storm Sewer, Henry R. Cooke, CE:Apr 71:61
Steady Seepage Toward Circle of Finite Radius, Bruce W. Hunt, TN: EM2:Apr 71:599:8017
Triangular Broad-Crested Weir, Clifford D. Smith and Wen S. Liang, IR4:Dec 69:493:6954
TR:136:668
Water Accounting at Pumping Station S-5A in Florida, Claiborne F. Galliher, IR4:Dec 69:517:6970
TR:136:282
Water Surface Velocities Induced by Wind Shear, Erich J. Plate, EM3:June 70:295:7351
TR:136:860
Water Waves Over a Rectangular Channel Through a Reef, Nabil Hilaly, WW1:Feb 69:77:6409
TR:136:661
136, Michael C. Quick, HY7:July 70:1403:7399

Water Hammer

Cavitation in Horizontal Pipelines Due to Water Hammer, J. P. Th. Kalkwijk and C. Kranenburg, HY10:Oct 71:1585:8440
Effect of Pipeline Junctions on Water Hammer Surges, Don J. Wood and Shen P'eng Chao, TE3:Aug 71:441:8296
Raw Water Transmission System for Springfield, Mass., Walter B. Sinnott and Sheldon S.W. Yuan, TE3:Aug 71:459:8312
Transients in Pipelines Carrying Liquids or Gases, Victor L. Streeter, TE2:Feb 71:15:7884
Water Hammer Analysis, Victor L. Streeter, HY6:Nov 69:1959:6899
TR:136:281

Water Intakes

Edward Hyatt Powerplant Intake Structure, Paul H. Gilbert, PO1:Mar 69:110:6471
TR:136:814
Oroville Intake Vibration Problems Resolved, Ernest C. James and Fredric T. Katakura, Preprint No.1323, Jan 71
Portage Mountain Intake Structure and Facilities, H. Edward Howe, PO3:June 70:331:7342
TR:136:1048

Water Law

Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, Preprint No.1333, Jan 71
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, SA4:Aug 71:479:8329
Water Quality Control in California, B. Norman Hume, SA4:Aug 70:873:7448

Water Loss

Analysis of Ephemeral Flow in Aridlands, Chester C. Kisiel, Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, Preprint No.1297, Jan 71
Cooling Pond Temperature Versus Size and Water Loss, Bruce A. Tichenor and Alden G. Christianson, PO3:July 71:589:8250

Water Management (Applied)

Basic Needs of Urban Water Management on the Firing Line, Robert C. McWhinnie, UWRM:pp.8-13, 1971
Can Engineering Forecasters Effect Water Law?, George W. Reid, E. Edd Pritchett and Susan Pritchett, Preprint No.1333, Jan 71
Clean Water Management: Objective Decisions or Emotional Reaction, Kerry W. Mulligan, CWFE:Mar 71:1
Clean Water: The Management Problem, Thomas Carroll, CWFE:Mar 71:13
Digital Model of Alluvial Aquifer, Peter C. Trescott, George F. Pinder and John F. Jones, WW3:May 70:1115:7264
TR:136:729
Evaluating Low-Flow Characteristics, S. P. Sauer and Henry C. Riggs, Preprint No.1329, Jan 71
Exotic Uses of Aquifers, Raphael G. Kazmann, IR3:Sept 71:515:8352
General Financial Programs for Regional and Large Wastewater Systems, Edwin A. Wells and Jack H. McMinn, CWFE:Mar 71:147
Ground Water Management-A Progress Report, Jack J. Coe, IR1:Mar 71:149:7971
Integrated Management of Metropolitan Water Services, Edwin L. Vopelak, UWRM:pp.36-42, 1971
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Management and Regulations for the Future Basin Management Techniques, Charles V. Gibbs and Allan L. Poole, CWFE:Mar 71:65
Management and Regulations for the Future, Harvey F. Ludwig, CWFE:Mar 71:111
Nature of and Need for Interdisciplinary Attacks on Problems of Urban Water Management, J. Ernest Flack, UWRM:pp.106-110, 1971
New Directions for Wastewater Collection and Disposal, Daniel A. Okun, CWFE:Mar 71:157
New York City Wastewater System Management, Martin Lang, CWFE:Mar 71:53
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, Richard J. Willson, Chmn., IR4:Dec 71:601:8613
An Overview of Contemporary Approaches and Concepts in Metropolitan Water Management, George F. Mangan, Jr., UWRM:p.75, 1971
Regional Waste Water System, Charles B. Kaiser, Jr., CWFE:Mar 71:57
Regional Water Resources Planning: A State View, Guy J. Kelnhofer, Jr., UWRM:pp.111-119, 1971
Role and Function of Systems Analysis, John C. Schaake, Jr., UWRM:pp.72-74, 1971
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Some Urban Water Resources Mangement Dimensions, D. Earl Jones, Jr., UWRM:pp.14-31, 1971
Statewide Management -- What Does the Future Hold?, Frank A. Butrico and James B. Coulter, CWFE:Mar 71:93
Statewide Water Quality Control Management, Kerry W. Mulligan, CWFE:Mar 71:105
Urban Water Management Needs in Runoff and Flood Regulation, James R. Wallace, UWRM:pp.32-35, 1971
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Water Accounting at Pumping Station S-5A in Florida, Claiborne F. Galliher, IR4:Dec. 69:517:6970
TR:136:282
Water Management and the Public, Duane W. Hill and Roy L. Meek, UWRM:pp.43-46, 1971

XUM

Water Quality Control in California, B. Norman Hume, SA4:Aug 70:873:7448

Water Measurement

Radioisotopes and Turbine Flow Measurements, J. C. Schuster and R. L. Hansen, Preprint No.1294, Jan 71

Water Pipelines

Photoelastic Model Studies of Wye Manifold Branches, S. Redner and J. H. Perrotta, PL1:Oct 68:107:6180
TR:136:1100

Southern Nevada Water Project - Water for Las Vegas, Lloyd R. Porter, Preprint No.1286, Jan 71

Water Pollution

Adsorption of Pesticides by Clay Minerals, Ju-Chang Huang and Cheng-Sun Liao, SA5:Oct 70:1057:7603

Aerial Color Analyses of Water Quality, Kenneth R. Piech and J. E. Walker, SU2:Nov 71:185:8507

Aerial Photography for Water Resource Studies, Ralph W. Kiefer and James P. Scherz, SU2:Nov 71: 321:8545

Agricultural and Urban Waste Water Reuse, Herman Bouwer and Russell F. Mann, Preprint No.1347, Jan 71

Biological Control of Aquatic Weeds, Robert D. Blackburn, David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362

Cell Method for Computing Lake Circulation, James A. Liggett, HY3:Mar 70:725:7152
TR:136:1239

Chlorination Dynamics in Wastewater Effluents, Yehuda Kott, SA5:Oct 71:647:8433

Coastal Processes from Space Photography, Maynard M. Nichols, 12CEC:pp.641-649, 1971

Coliform-Fecal Coliform Bacteria in Tidal Waters, Gerald A. Strobel, SA4:Aug 68:641:6068
TR:136:629

Collection of Oil Slicks, Ralph H. Cross and David P. Hoult, WW2:May 71:313:8122

Combined Sewer Considerations by Philadelphia, Carmen F. Guarino, Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825

Combined Sewers and Stormwater Drainage - Today and 2050 AD, Carmen F. Guarino and Joseph V. Radziul, CWFE:Mar 71:349

Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, Preprint No.1299, Jan 71

Control of Water Pollution During Dam Construction, Charles A. McCullough and Robert R. Nicklen, SA1:Feb 71:81:7927

Design Sensitivity of Pollution Control Reservoirs, George K. Young, R. W. Schrecongost and W. N. Fitch, SA5:Oct 68:829:6147
TR:136:665

Disinfection of Algal Laden Waters, Wayne F. Echelberger, Jr., Joseph L. Pavoni, Philip C. Singer and Mark W. Tenney, NSCD:pp.563-583, 1971

Dispersion and Flushing of Pollutants in Extuaries, Donald W. Pritchard, HY1:Jan 69:115:6344
TR:136:875

Economics of Water Quality and Wastewater Control, Fred E. Case, CWFE:Mar 71:115

Environmental Effects of Oil Pollution, Thomas A. Murphy, SA3:June 71:361:8221

Evaluation of Nitrification in Streams, Chester T. Wezenak and John J. Gannon, SA5:Oct 68:883: 6159
TR:136:692

Fate of Thermally Polluted Surface Water in Rivers, Cheng-Lung Chen, SA3:June 71:311:8197

Implications of Nitrogenous BOD in Treatment Plant Design, Russell C. Mt. Pleasant and Warren Schlickenrieder, SA5:Oct 71:709:8469

Industrial Waste Surcharges, Robert L. Coughlin, CWFE:Mar 71:323

Influences of Sedimentation on Water Quality: An Inventory of Research Needs, Robert H. Livesey, Chmn., HY8:Aug 71:1203:8325

Instream Aeration: An Alternative to Advanced Waste Treatment, William Whipple, Jr., CE:Sept 70:78
TR:136:750

Instream Aerators for Polluted Rivers, William Whipple, Jr., Francis P. Coughlan, Jr. and Shaw L. Yu, SA5:Oct 70:1153:7631

Japan Develops Water Polluton Control Technology, Takeshi Goda and Hisashi Sumitomo, CE:Nov 71: 42

Lignosulphonates in Lake Paijanne Water, Seppo Priha, SA2:Apr 71:191:8021

Measuring Subsurface Spring Flow With Radiotracers, William C. Galegar and Myron W. DeGeer, SA6:Dec 69:1097:6973
TR:136:332

Monitoring Water Pollution by Means of Remote Sensing Techniques, James P. Scherz, Preprint No.1317, Jan 71

Monitors Solve Fish-kill Mystery, Bruce R. Barrett, CE:Jan 71:40

Natural Virus Inactivation Processes in Sea Water, Hillel I. Shuval, Andrew Thompson, Badri Fattal and Samuel Cymbalista, NSCD:pp.429-452, 1971

New Trends in Tertiary Treatment, Vinton M. Bacon and Tom H. Forrest, CWFE:Mar 71:185

Ocean Dumping: What and Where, If at All?, Eugene E. Dallaire, CE:Nov 71:58

Oil Booms in Tidal Currents, Ralph H. Cross and David P. Hoult, 12CEC:pp.1745-1758, 1971

Pennsylvania Erases Its Mining Scars, Alfred C. Ackenheil, CE:Oct 70:54
TR:136:934

Politics and Water Pollution, William H. Wisely, CE: Oct 70:41
Dsc: C. L. Shimek, CE:Jan 71:71; Thomas R. Camp, CE:Feb 71:46; Eugene T. Jensen, CE: May 71:43

Pollution Potential of Sediments, H. G. Brown and W. J. Keffer, Preprint No.1544, Oct 71

Power Optimization for Prescribed Thermal Pollution, Amir N. Nahavandi and Michael Fappas, PO3:July 71:631:8254

Primary Treatment Followed by Reverse Osmosis, Donald L. Feuerstein and Tom H. Forrest, CWFE: Mar 71:179

Principles of River Bed Adjustment, Thomas Blench, Preprint No.1513, July 71

Probabilistic Variations in Ultimate First Stage BOD, Veerasamy Kothandaraman, SA1:Feb 70:27:7054
TR:136:425

Problems in Obtaining Adequate Sewage Disinfection, Harvey F. Collins, Robert E. Selleck and George C. White, NSCD:pp.137-161, 1971

Regional Water Quality Standards, Ralph Porges, SA3:June 69:423:6596
TR:136:78

Research and Development Needs for Advanced Waste Treatment Process to Serve Future Needs, F. M. Middleton and R. L. Stenburg, CWFE:Mar 71:189

Research Needs on Thermal and Sedimentary Pollution in Tidal Waters by the Committee on Tidal Hydraulics of the Hydraulics Division, Frank D. Masch, Chmn., HY7:July 70:1539:7426
TR:136:1177

The Role of the Civil Engineer in Remote Sensing, James L. Clapp, Preprint No.1337, Jan 71

Salmonellae in Fresh Water Pollution, Edwin E. Geldreich and Dale J. Van Donsel, NSCD:pp.495-514, 1971

Sediment Pollution in Coastal Waters, Jacobus van de Kreeke, 12CEC:pp.1803-1812, 1971

Silver Iodide Generators and Public Health, William J. Douglas, IR3:Sept 70:273:7535
TR:136:1161

Solidification of Sludges with Portland Cement, E. Alan Cassell and Thomas W. Walker, SA1:Feb 70: 15:7053
TR:136:411

Space Consumption - The Emphysema of Transportation, Bruce M. Davidson, Preprint No.1503, July 71

Statistical Assessment of DO in Navigation Pool, Thomas A. Butts, Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
TR:136:881
Status of Radioactive Waste Disposal in U.S.A., Frank L. Parker, SA3:June 69:439:6597
TR:136:796
Steady-state Profile for Oil Barriers, Richard Robbins, David Hoult and Ralph Cross, III, TN: WW1:Feb 71:235:7891
Stochastic Model for BOD and DO in Estuaries, Stephen W. Custer and Richard G. Krutchkoff, SA5:Oct 69:865:6834
TR:136:784
Students Revitalize On-Campus Lake, John G. Gonzales and Paul A. Ferrari, CE:June 71:38
Thermal-Pollution Threat Draws Nearer, Eugene E. Dallaire, CE:Oct 70:67
TR:136:1093
Total Dollar Benefit of Water Pollution Control, Nelson L. Nemerow and Robert C. Faro, SA3:June 70:665:7323
TR:136:1220
Transport of Dissolved Wastes in Rivers, Roger Don Shull and Earnest F. Gloyna, SA6:Dec 69:995:6948
TR:136:249
Trash Rack Problems and Remedies at Muddy Run Pumped-Storage Generating Plant, Richard L. Fiske and Cyril E. Daly, Preprint No.1305, Jan 71
Treatment of Mine Drainage by Industry in Pennsylvania, Walter N. Heine and Ernest F. Giovannitti, SA3:June 70:743:7362
TR:136:964
Treatment of Refinery Waste by Physicochemical Processes, Ju-Chang Huang and Michael G. Hardie, SA4:Aug 71:467:8318
Turbulent Diffusion and Entrainment in Two-Layer Flow, T. Carstens, WW1:Feb 70:97:7081
TR:136:724
USBR Specifications Focus on Environment, Bernard P. Bellport, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70
Valuation of Flow Augmentation Releases, Buford J. Carter, Jr., James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203
Viral Disinfection of Estuarine Water by UV, William F. Hill, Jr., Elmer W. Akin, William H. Benton and Frederick E. Hamblet, NSCD:pp.223-243, 1971
Viral Pollution and Depuration of Shellfish, Oscar C. Liu, NSCD:pp.397-428, 1971
What Industry is Doing About Pollution Control, Charles Hemming, CE:Sept 71:59
Youth Makes Waves About Dirty Water, Ray Morales and Ralph Wagner, CWFE:Mar 71:43

Water Pollution Control

Oil Booms in Tidal Currents, Ralph H. Cross and David P. Hoult, 12CEC:pp.1745-1758, 1971
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Water Pollution Sources

The U.S. Water Quality Program: Desperate Need for Planning Research, Eugene E. Dallaire, CE:Sept 71:63

Water Pressure

Evaluation of Anaerobic Denitrification Processes, Daniel F. Seidel and Ronald W. Crites, SA2:Apr 70:267:7211
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TR:136:254

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Bromine and Bromamine Disinfection Chemistry, J. Donald Johnson and Ragnar Overby, SA5:Oct 71:617:8425
Federal Involvement Toward Clean Water for Our Future Environment, Eugene T. Jensen, CWFE:Mar 71:267
Planning for Clean Water in Terms of the Ecology and Social Environment, P. H. McGauhey, CWFE:Mar 71:29

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Aerial Color Analysis of Water Quality, Kenneth R. Piech and J. E. Walker, Preprint No.1327, Jan 71
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TR:136:1193
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Cooling Water Sources For Power Generation, Louis G. Hauser, PO1:Jan 71:123:7804
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TR:136:328
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TR:136:1064
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TR:136:678
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TR:136:1115
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TR:136:246
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TR:136:963
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TR:136:767
Real-Time Computer Control of Urban Runoff, James J. Anderson, HY1:Jan 70:153:7028
TR:136:937

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TR:136:1141

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TR:136:930

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Water Quality Control

Economics of Water Quality and Wastewater Control, Fred E. Case, CWFE:Mar 71:115

Financing Water Quality Control on a National Basis, Morris H. Klegerman, CWFE:Mar 71:131

Statewide Water Quality Control Management, Kerry W. Mulligan, CWFE:Mar 71:105

Valuation of Flow Augmentation Releases, Buford J. Carter, Jr., James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203

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Concepts and Utilities of Ecologic Model, Carl W. Chen, SA5:Oct 70:1085:7602
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TR:136:140

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TR:136:19

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TR:136:620

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TR:136:108

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TR:136:448

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TR:136:408

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TR:136:429
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TR:136:1012
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TR:136:282
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TR:136:689
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TR:136:383
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TR:136:19
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TR:136:942
Water Reuse Systems Analysis, A. Bruce Bishop and David W. Hendricks, SA1:Feb 71:41:7898

Water Rights

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Watershed Management

Reduction of Urban Runoff Peak Flows by Ponding, Leonard Rice, Preprint No.1298, Jan 71
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721
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Watersheds

Formulation of Mathematical Watershed-Flow Model, Cheng-lung Chen and Ven Te Chow, EM3: June 71:809:8199
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Simulation of Water Yield from Devegetated Basins, George Fleming, IR2:June 71:249:8175
Social and Ecological Implications of Proposals for Out-of-Basin River Diversions, Bernard B. Berger, PP1:Oct 71:95:8481
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TR:136:452

Water Storage

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TR:136:536
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TR:136:1272
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TR:136:942
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TR:136:731

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TR:136:924
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TR:136:968
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TR:136:127
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TR:136:387
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TR:136:1328
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TR:136:838
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TR:136:231
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TR:136:62
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TR:136:1093
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TR:136:964
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TR:136:198
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TR:136:354
The U.S. Water Quality Program Part II, Eugene E. Dallaire, CE:Oct 71:81
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TR:136:1038
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TR:136:1190

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Implications of Nitrogenous BOD in Treatment Plant Design, Russell C. Mt. Pleasant and Warren Schlickenrieder, SA5:Oct 71:709:8469
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Water Tunnels
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, George F. Horowitz and Nelson N. Lee, HY5:May 71:677:8110
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TR:136:181
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TR:136:167
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TR:136:649
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Water-System Expansion Spurs New Tunnel Technology, Maynard M. Anderson, CE:Sept 70:69
TR:136:731

Water Tunnels (Conveyance)
Angat Project - The Leak in Tunnel Two, Wallace A. Waldorf, PO4:Dec 71:799:8571
Sixty Years of Rock Tunneling in Chicago, Milton Pikarsky, CO2:Nov 71:189:8504

Water Use
Water Quality: Cost Benefits of Irreducibles, Ralph Stone, William F. Garber and Helen Friedland, SA3:June 70:691:7336
TR:136:930

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Fourier Analysis of Transient Wave System, Edward K. Noda, WW4:Nov 71:663:8535
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TR:136:309
Ocean Wave Forces on a Subsurface Sphere, Robert A. Grace and Frederick M. Casciano, WW3:Aug 69:291:6722
TR:136:706
Ocean Wave Simulation for Engineering Design, Leon Emry Borgman, WW4:Nov 69:557:6925
TR:136:1213
Offset Coastal Inlets, Miles O. Hayes, Victor Goldsmith and Carl H. Hobbs, III, 12CEC:pp.1187-1200, 1971
On Wave Damping in Harbors, Charles E. Lee, WW4:Nov 68:489:6241
TR:136:1107
Periodic Permanent Roll Waves, Richard R. Brock, HY12:Dec 70:2565:7764
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Refraction of Continuous Ocean Wave Spectra, Thorbjorn Karlsson, WW4:Nov 69:437:6881
TR:136:206
Refraction of Water Waves, Jurgen A. Battjes, WW4:Nov 68:437:6206
TR:136:637
Regression Model of Wave Forces on Ocean Outfalls, Ronald E. Johnson, WW2:May 70:289:7275
Relative Validities of Water Wave Theories, Robert G. Dean, WW1:Feb 70:105:7092
TR:136:794
Resonance in Harbors of Arbitrary Shape, Jiin-Jen Lee and Fredric Raichlen, 12 CEC:pp.2163-2180, 1971
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TR:136:1208
Supplement List of Needs in Research on Problems of Berthing and Mooring Ships, Basil W. Wilson, BMS:pp.286-287, 1971
Surge Studies for Portage Mountain Tailrace System, Kenneth C. Wilson, PO1:Mar 69:1:6432
TR:136:649
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Tidal Waves in Schematic Estuaries, Hans Vollmers and Jurgen Sundermann, 12CEC:pp.2133-2145, 1971
Turbulent Flow Over Moving Boundary, Konstantin Zagustin, En Yun Hsu and Robert L. Street, WW4: Nov 68:397:6210
TR:136:626
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Water Waves Over a Rectangular Channel Through a Reef, Nabil Hilaly, WW1:Feb 69:77:6409
TR:136:661
Wave Attenuation by Fluid Filled Bags, Harald D. Frederiksen, WW1:Feb 71:73:7874
Wave-Induced Pressures in Beds of Sand, John F. A. Sleath, HY2:Feb 70:367:7057
TR:136:466
Wave Investigations in Shallow Water, Winfried Siefert, 12CEC:pp.151-178, 1971
Wave Refraction Near San Pedro Bay, California, Yuan Jen, WW3:Aug 69:379:6749
TR:136:240
Waves Generated by a Piston-type Wavemaker, Ole Secher Madsen, 12CEC:pp.589-607, 1971
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Waves Generated By Model Ship Hull, Robert M. Sorensen, WW4:Nov 69:513:6910
TR:136:733
Weak Reflection of Water Waves by Bottom Obstacles, Chiang C. Mei, EM1:Feb 69:183:6401
TR:136:1095

Waterways

Anemometer Height in Froude Scaling of Wind Stress, Jin Wu, WW1:Feb 71:131:7873
Bank Stabilization in Susquehanna River Basin, James E. Crews, WW1:Feb 70:87:7061
TR:136:586
Coastal Erosion in North Carolina, Leonard J. Langfelder, Donald B. Stafford and Michael Amein, WW2:May 70:531:7306
Collection of Oil Slicks, Ralph H. Cross and David P. Hoult, WW2:May 71:313:8122
Computer Model for a Lock Manifold System, James S. Windsor and Herman Vallee, WW2:May 69:149:6553
TR:136:68
Control of Natural Chloride, Arkansas-Red Rivers, Myron W. DeGeer and Robert J. Hensley, WW4: Nov 71:631:8494
Design of Columbia River Pile Dikes, Robert O. Dodge, WW2:May 71:323:8142
Effect on Waterway Depth and Alignments, Casimir J. Kray, WW2:May 70:497:7305
Flood-Control Facilities for Unique Flood Problems, Ralph F. Wong and Alfonso Robles, Jr., WW1:Feb 71:185:7894

Hurricane Surge Computations by Computer, Alan N. Sirkin, WW2:May 70:467:7299
TR:136:1159
Innovations in Barge Transportation on Columbia River, W. E. Torget and Rowena Funston, WW2: May 70:411:7290
TR:136:968
Laboratory Study of Degradation and Aggradation, Suryanarayana Bhamidipaty and Hsieh W. Shen, WW4:Nov 71:615:8493
Lake Michigan-Huron Stage-Frequency and Trend, R. Robinson Rowe, WW3:Aug 69:261:6716
TR:136:171
Numerical Solution of Saint-Venant Equations, Theodor Strelkoff, HY1:Jan 70:223:7043
TR:136:450
Ocean Wave Simulation for Engineering Design, Leon Emry Borgman, WW4:Nov 69:557:6925
TR:136:1213
One-Dimensional Equation of Open-Channel Flow, Theodor Strelkoff, HY3:May 69:861:6557
TR:136:57
Open-Channel Simulation by Digital Computer, C. Samuel Martin and Frank G. De Fazio, HY6:Nov 69:2049:6911
TR:136:644
Piling-Up Behind Low and Submerged Permeable Breakwaters, Mordechai H. Diskin, Michael L. Vajda and Illan Amir, WW2:May 70:359:7283
Planning for Pleasure Boating on Regional Basis, Ellsworth J. Gullidge and Frank J. Urabeck, WW3: Aug 70:583:7453
TR:136:1041
Potamology Data Collection on Lower Mississippi River, Charles M. Elliott, WW3:Aug 70:601:7466
Rational Design Concept for Breasting Dolphins, Lymon C. Reese, Michael W. O'Neill and N. Radhakrishnan, WW2:May 70:433:7291
TR:136:1009
Refraction of Continuous Ocean Wave Spectra, Thorbjorn Karlsson, WW4:Nov 69:437:6881
TR:136:206
Replacement-Lock and Dam No. 26: Condition of Existing Structure, Daniel P. Marshall, Jr., WW1: Feb 70:27:7097
TR:136:477
Replacement-Lock and Dam No. 26: History, Objectives and Scope, Edwin R. Decker, WW1:Feb 70:1:7070
TR:136:1183
Replacement-Lock and Dam No. 26: Lock Capacity Procedure and Scope, Anson G. Eickhorst and DuWayne A. Koch, WW1:Feb 70:15:7094
TR:136:445
Replacement-Lock and Dam No. 26: Plans Considered, Richard C. Armstrong, WW1:Feb 70: 49:7071
TR:136:418
Replacement-Lock and Dam No. 26: Projecting Waterborne Commerce-Inland Navigation, DuWayne A. Koch, WW1:Feb 70:9:7100
TR:136:507
River Bed Transport Related to Meander Migration Rates, Charles R. Neill, TN: WW4:Nov 71:783: 8491
River Erosion Due to Channel Relocation, Lawrence W. Yearke, CE:Aug 71:39
Sector Gates in Bangkok Klong System, Fred C. Stepanich, WW4:Nov 71:721:8549
Self-Stabilizing Tendencies of Alluvial Channels, Johannes Gessler, WW2:May 70:235:7263
TR:136:1307
Tsunami Refraction Diagrams by Digital Computer, Garbis H. Keulegan and John Harrison, WW2:May 70:219:7261
TR:136:602
Urban Planning and Development of River Cities, Arnold H. Vollmer, UP1:Mar 70:59:7144
TR:136:906
Vessel Controllability in Restricted Waters, Edwin W. Eden, Jr., WW3:Aug 71:475:8310
Water Waves Generated by Landslides in Reservoirs, Robert L. Wiegel, Edward K. Noda, Edward M. Kuba, Dennis M. Dee and Gordon F. Tornberg, WW2:May 70:307:7279
Waves Generated By Model Ship Hull, Robert M. Sorensen, WW4:Nov 69:513:6910
TR:136:733

Waterways (Transportation)

Economics of Channels and Maneuvering Areas for Ships, Richard G. Waugh, Jr., WW4:Nov 71:671: 8537
Evolution of Tidewater Port, Chester A. Peyronnin, Jr., WW2:May 70:387:7287
TR:136:949
History and Future of Ohio River Navigation, Carl H. Gaum, WW2:May 70:483:7304
TR:136:1230
Implication of Systems Analysis to Inland Navigation, DuWayne A. Koch, WW3:Aug 71:559: 8302
Linear Proportional Weirs, P. Sreenivasulu and R. Raghavendran, HY2:Feb 70:379:7062
TR:136:892
Problems of Inland Waterway Lock Dimensions, John P. Davis, WW2:May 70:451:7295
River Metamorphosis, Stanley A. Schumm, HY1:Jan 69:255:6352
TR:136:38
Simulation of Waterway Transport Systems, Joseph L. Carroll and Michael S. Bronzini, TE3:Aug 71: 527:8311
Tonnage Capacity of Locks, John P. Davis, WW2: May 69:201:6577
TR:136:134
Water Depths Required for Ship Navigation, Richard G. Waugh, Jr., WW3:Aug 71:455:8309
Water Waves Over a Rectangular Channel Through a Reef, Nabil Hilaly, WW1:Feb 69:77:6409
TR:136:661

Waterway Transportation

Barge Tow Traffic Simulation Models, Patrick H. Carigan, Preprint No.1479, July 71
The Puget Sound Ferry System, Lindsley Wilson, Preprint No.1428, July 71
Transportation Research Needs in Civil Engineering, Robert F. Baker, TE3:Aug 71:541:8343

Waterworks

Basin Tracer Curves Interpreted by Basic Analytics, A. Adler Hirsch, SA6:Dec 69:1031:6951
TR:136:269
Multilevel Outlet Works at Four Existing Reservoirs, Gary H. Austin, Donald A. Gray and Donald G. Swain, HY6:Nov 69:1793:6877
TR:136:246

Water Yield

Economics of a Water-Yield Function for Sugar Cane, Howard C. Hogg, Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078
Evaluating Watershed Management Alternativee, Harry E. Brown, IR1:Mar 71:93:7952
Hydrologic Response of Watersheds to Land Use Management, Louis M. Glymph, Heggie N. Holtan and Charles B. England, IR2:June 71:305:8174

Wave Action

Regular Wave Effects on Walls Made of Cylinders, G. D. Khaskhachikh and O. M. Vanchagov, WW4: Nov 71:735:8547

Wave Dispersion

Energy Losses under Wave Action, P. D. Treloar and A. Brebner, 12CEC:pp.257-267, 1971
Growth of Crenulate Shaped Bays to Equilibrium, Richard Silvester, WW2:May 70:275:7274
TR:136:737
Offset Coastal Inlets, Miles O. Hayes, Victor Goldsmith and Carl H. Hobbs, III, 12CEC:pp.1187-1200, 1971

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Refraction of Continuous Ocean Wave Spectra, Thorbjorn Karlsson, WW4:Nov 69:437:6881 TR:136:206

Wave Energy
Breakwater and Quay Wall by Horizontal Plates, Takeshi Ijima, Shigeo Ozaki, Yasuhiko Eguchi and Akira Kobayashi, 12CEC:pp.1537-1556, 1971
The Influence of Breaker Type on Riprap Stability, John P. Ahrens, 12CEC:pp.1557-1566, 1971
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Wave Forecasting
Breaker Travel and Choice of Design Wave Height, Cyril J. Galvin, Jr., WW2:May 69:175:6569 TR:136:687
Wave Forecasting for the West Coast of India, Jade Dattatri and P. S. Renukaradhya, 12CEC:pp.203-215, 1971

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Prediction Curves for Waves near the Source of an Impulse, Robert L. Miller, 12CEC:pp.609-624, 1971

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Air Entrainment and Energy Dissipation in Breakers, Alfred Fuhrboter, 12CEC:pp.391-398, 1971
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Estimation of Wave Parameters at Marine Construction, Yu M. Krylov, S. S. Strekalov and V. F. Tsyploukhin, TN: WW4:Nov 71:793:8491
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Wave Investigations in Shallow Water, Winfried Siefert, 12CEC:pp.151-178, 1971

Wavelength
Regular Wave Effects on Walls Made of Cylinders, G. D. Khaskhachikh and O. M. Vanchagov, WW4: Nov 71:735:8547

Wave Period
Regular Wave Effects on Walls Made of Cylinders, G. D. Khaskhachikh and O. M. Vanchagov, WW4: Nov 71:735:8547

Wave Phases
Wave Train Direction Analysis, Subrata K. Chakrabarti, TN: WW4:Nov 71:787:8491

Wave Pile-Up
Experimental Studies on the Generation of Waves in Shallow Water, C. T. Kuo and Frederick L.W. Tang, 12CEC:pp.179-201, 1971
Macro-Turbulence from Wind Waves, John Simpson Hale and Frank D. Masch, 12CEC:pp.223-242, 1971

Wave Propagation
Series Solution to Problems in Elastodynamics, Wilfred W. Recker, EM4:Aug 71:1257:8328
Spherical Waves in Inelastic Materials, Jeremy Isenberg and Anjan K. Bhaumik, EM3:June 71:901:8207

Wave Recorders (Water Waves)
The Analysis of Wave Records, D. Lee Harris, 12CEC:pp.85-100, 1971
Characteristics of Waves Broken by a Longshore Bar, E. Clark McNair and Robert M. Sorensen, 12CEC: pp.415-434, 1971
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Wave Runup
Analytical Approach on Wave Overtopping on Levees, Hiroyoshi Shi-igai and Tsugio Kono, 12CEC:pp.563-573, 1971
Breaker Travel and Choice of Design Wave Height, Cyril J. Galvin, Jr., WW2:May 69:175:6569 TR:136:687
Damage Functions for a Rubble-mound Breakwater Under the Effect of Swells, Juan B. Font, 12CEC: pp.1567-1585, 1971
Estimation of Wave Parameters at Marine Construction, Yu M. Krylov, S. S. Strekalov and V. F. Tsyploukhin, TN: WW4:Nov 71:793:8491

Waves
Avalon Transportation Wharf, James W. Dunham, WW2:May 71:371:8104
Beaches Produced by Waves of Low Phase Difference, Patrick H. Kemp and David Plinston, HY5:Sept 68:1183:6100 TR:136:631
Computation of Open-Channel Surges and Shocks, George Terzidis and Theodor Strelkoff, HY12:Dec 70:2581:7780
Dynamics of Ship Anchor-Lines in Waves and Currents, Basil W. Wilson and Donald H. Garbaccio, WW4:Nov 64:449:6888 TR:136:275
Effect of Flume Width on Bed-Form Characteristics, Maurice J. Crickmore, HY2:Feb 70:473:7077 TR:136:498
Effect of Pipeline Junctions on Water Hammer Surges, Don J. Wood and Shen P'eng Chao, TE3: Aug 71:441:8296
Elastic Free-Field Motion Due to Nuclear Blast, Leif E. Fugelso, Robert K. Waddick and Glen L. Heidhardt, EM6:Dec 68:1337:6266 TR:136:666
Estimation of Wave Parameters at Marine Construction, Yu M. Krylov, S. S. Strekalov and V. F. Tsyploukhin, TN: WW4:Nov 71:793:8491
Irregular Wave Action on Rubble-Mound Breakwaters, Aysen Ergin and Serif Pora, WW2: May 71:279:8114
Laboratory Study of Lift Forces on Circular Piles, Devidas D. Bidde, WW4:Nov 71:595:8495
Numerical Model for Wave Pressure Distributions, J. Richard Weggel and W. Hall C. Maxwell, WW3: Aug 70:623:7467
Ocean Wave Research in Southern Africa, J. A. Zwamborn, C. van Schaik and A. Harper, 12CEC: pp.13-31, 1971
Periodic Permanent Roll Waves, Richard R. Brock, HY12:Dec 70:2565:7764
Sensitivity Analysis of Wind Generated Wave Predictions, Charles D. D. Howard, WW2:May 71: 365:8153
Series Solution to Problems in Elastodynamics, Wilfred W. Recker, EM4:Aug 71:1257:8328
Shock Pressure on Coastal Structures, Adel M. Kamel, WW3:Aug 70:689:7487
Stability Criteria for Open-Channel Flow, Themistocles A. Dracos and Bard Glenne, HY6: Nov 67:79:5566 TR:136:8
Testing Sediment Movement Due to Wave Action, Geoffrey R. Mogridge, HY7:July 70:1587:7433 TR:136:1309
Wave Attenuation by Porous Walled Breakwater, Eugene P. Richey and Charles K. Sollitt, WW3:Aug 70:643:7468
Wave Forecasting for the West Coast of India, Jade Dattatri and P. S. Renukaradhya, WW3:Aug 71: 505:8303
Wave Train Direction Analysis, Subrata K. Chakrabarti, TN: WW4:Nov 71:787:8491

Wave Spectrum
Comparison of Pressure and Staff Wave Gage Records, D. Esteva and D. Lee Harris, 12CEC: pp.101-116, 1971
Directional Spectra From Wave-Gage Arrays, N. N. Panicker and Leon Emry Borgman, 12CEC:pp.117-136, 1971
Equilibrium Range Spectra in Shoaling Water, Takeshi Ijima, Takahiko Matsuo and Kazutami Koga, 12CEC:pp.137-149, 1971
Refraction of Continuous Ocean Wave Spectra, Thorbjorn Karlsson, WW4:Nov 69:437:6881 TR:136:206
Spectral Computations on Pressure Wave Gauge Records, Manuel Mendes de Carvalho, Fernando Silveira Ramos and Carlos de Campos Moraes, 12CEC:pp.65-83, 1971
Spectral Response of Harbor Resonator Configurations, William James, 12CEC:pp.2181-2194, 1971

Wave Tanks
Tsunamis: Some Laboratory and Field Observations, Fredric Raichlen, 12CEC:pp.2103-2122, 1971

Wave Velocity
A Higher Order Theory for Symmetrical Gravity Waves, Peter L. Monkmeyer, 12CEC:pp.543-561, 1971
Laboratory Tests on Artificial Seaweed, W. A. Price, K. W. Tomlinson and D. H. Willis, 12CEC:pp.995-997, 1971
A System for Measuring Orbital Velocities in Waves, M. M. Kolpak and P. S. Eagelson, 12CEC:pp.327-343, 1971
Velocity Fields in the Wave Breaker Zone, M. D. Adeyemo, 12CEC:pp.435-460, 1971

Weather
Impact of Weather on Construction Planning, Neal B. H. Benjamin and Charles S. Davis, Preprint No.1551, Oct 71

Weathering
Concrete Chimney Design, Construction and Operation, Philip G. Sikes, PO3:June 70:449:7368

Weather Modification
Arizona Weather Modification Research Program, Paul B. MacCready, Jr., IR2:June 70:103:7324 TR:136:747
Hydrologic Consequences of Rainfall Augmentation, Alan M. Lumb and Ray K. Linsley, HY7:July 71: 1065:8232
Inadvertent Weather Modification in the Northwest, P. V. Hobbs, L. F. Radke, S. E. Shumway and J. D. Locatelli, Preprint No.1341, Jan 71
Modification of the Atmospheric Aerosol, Austin W. Hogan, Preprint No.1332, Jan 71
New Water for Northern Plains, Richard A. Schleusener, IR1:Mar 70:53:7145 TR:136:559
Public Policy Issues in Weather Modification, Dean E. Mann, IR3:Sept 69:375:6772 TR:136:1218
Responsibility in Weather Modification Operation, Merlin C. Williams and Richard A. Schleusener, IR1:Mar 70:61:7171 TR:136:721
Silver Iodide Generators and Public Health, William J. Douglas, IR3:Sept 70:273:7535 TR:136:1161
Some Economic Aspects of Rain Stimulation, R. R. Rapp, Preprint No.1342, Jan 71
Status of Weather Modification in Watershed Management, Merlin C. Williams, IR4:Dec 71:585: 8608
Weather Modification as a Watershed Management Tool, Merlin C. Williams, IR1:Mar 69:15:6434 TR:136:758
Weather Modification Regulation, Richard A. Schleusener, IR3:Sept 70:281:7537 TR:136:1139

Web Beams
Column Web Strength in Steel Beam-to-Column Connections, Wai F. Chen and David E. Newlin, Preprint No.1524, Oct 71

XUM

Webs (Supports)
Fatigue Strength of Hybrid Plate Girders, A. Anthony Toprac and Murugesam Natarajan, ST4: Apr 71:1203:8069
Suggested Design Guides for Beams with Web Holes, by the Subcommittee on Beams with Web Openings of the Task Committee on Flexural Members of the Structural Division, John E. Bower, Chmn., ST11: Nov 71:2707:8536

Weed Control
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570
Weed Control in the Arid Southwest, James W. Kirby and A. Darrell Summers, Preprint No.1315, Jan 71

Weeds
Weed Control in Arid Southwest, James W. Kirby and A. Darrell Summers, IR4:Dec 71:571:8570

Weibull Density Functions
Statistical Methods in Structural Fatigue, Paul H. Wirsching and James T. P. Yao, ST6:June 70:1201:7377
TR:136:966

Weighting Functions
Linearizing Weight Factors For Least-Squares Fitting, Llewellyn E. Jones, HY5:May 71:665:8089

Weirs
Characteristics of Flow Weirs of Finite Crest Width, Singamsetti Surya Rao and Manoj Kumar Shukla, HY11:Nov 71:1807:8515
Design of Combined Service and Auxiliary Spillway at Auld Valley Reservoir, George F. Horowitz and Daumantas Namikas, HY10:Oct 70:1965:7615
TR:136:1126
Flat-Vee Weirs In Alluvial Channels, William Rodney White, HY3:Mar 71:395:7989
Linear Proportional Weirs, P. Sreenivasulu and R. Raghavendran, HY2:Feb 70:379:7062
TR:136:892
Performance and Design of Labyrinth Weirs, Nessim Hay and Geoffrey Taylor, HY11:Nov 70:2337:7691
Triangular Broad-Crested Weir, Clifford D. Smith and Wen S. Liang, IR4:Dec 69:493:6954
TR:136:668

Welded Joints
Behavior of Composite-Beam to Column Joints, J. Hartley Daniels, Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
Connections in Thin Low-ductility Steels, Asfandiar K. Dhalla, Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442
Stiffening in Tubular Junctions - Some New Concepts, Bharat Mehrotra, TN: ST9:Sept 71:2453:8374

Welded Wire Fabric
Crack Width Control in Reinforced Concrete Two-Way Slabs, Edward G. Nawy and Glenn S. Orenstein, ST3:Mar 70:701:7182
TR:136:883

Welding
Behavior of Continuous Crane Rails, Pavel J. Marek and J. Hartley Daniels, ST4:Apr 71:1081:8067
Fatigue Strength of Rolled and Welded Steel, Manfred A. Hirt, Ben T. Yen and John W. Fisher, ST7:July 71:1897:8238
A Reel-Type Pipelaying Barge, Paul K. Johnson, CE: Oct 71:45
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, J. E. Hinkel, Preprint No.1418, Apr 71

Welds
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, J. E. Hinkel, Preprint No.1418, Apr 71

Well Casings
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, Preprint No.1302, Jan 71

Well Heads
Disposal Well Problems in Chicago and Bakersfield Areas, Ralph G. Berk, SA5:Oct 71:675:8405

Wellpoints
Suction Wells Dewater Large Construction Site, Robert G. Lenz, CE:Feb 70:40
TR:136:175

Wells
Artificial Ground-Water Recharge by Means of Wells in Israel, Yoav Harpaz, HY12:Dec 71:1947:8579
Computer Analysis of Free Surface Well Flow, Willem F. Brutsaert, E. Allen Breitenbach and Daniel K. Sunada, IR3:Sept 71:405:8376
Flow of Air Through Soils, Geoffrey E. Blight, SM4: Apr 71:607:8026
Numerical Analysis of Free Surface Seepage Problems, Peter W. France, Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165:7959
Rational Design of Wall Screens, Satya P. Garg and Jagroshan Lal, IR1:Mar 71:131:7969
Tools for Water-Resource Study, Julius H. Dawes, IR4:Dec 70:403:7720
TR:136:1265
Unsteady Drawdown in Well Groups, Raymond J. Krizek, Gabor M. Karadi and D. Babu Rao, HY10: Oct 71:1625:8436

Well Screens
Rational Design of Wall Screens, Satya P. Garg and Jagroshan Lal, IR1:Mar 71:131:7969

West Germany
Wave Investigations in Shallow Water, Winfried Siefert, 12CEC:pp.151-178, 1971

Wharves
Ketchikan Waterfront Development, Robert V. Kycek and Peter Semrad, Preprint No.1554, Oct 71

Wheels
Adhesion Control in High-speed Wheel-rail Interaction, Igor L. Paul, Preprint No.1522, July 71
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, E. Harry Law and Ronald S. Brand, Preprint No.1427, July 71

Width
Effective Width of Thin Plates in Compression, George Abdel-Sayed, ST10:Oct 69:2183:6837
TR:136:291

Wildlife
Environmental Effects of Oil Pollution, Thomas A. Murphy, SA3:June 71:361:8221
Evaluating Watershed Management Alternativee, Harry E. Brown, IR1:Mar 71:93:7952
Wells Hydroelectric Project Fish Facilities, Robert T. Loder and Michael W. Erho, PO2:Mar 71:301:7982

Wildlife Conservation
Dams and Ecology: Can They be Made Compatible?, Darrell J. Turner, CE:Sept 71:76
South Florida Training Runway and Everglades National Park, H. C. Lamberton, Jr., CE:Apr 70:53
TR:136:350

Wind (Meteorology)
Hurricane Surge Computations by Computer, Alan N. Sirkin, WW2:May 70:467:7299
TR:136:1159
Nuclear Power Plant Tornado Design Considerations, James A. Dunlap and Karl Wiedner, PO2:Mar 71: 407:7949
Wind and Surge Damage Due to Hurricane Camille, H. C. S. Thom and R. D. Marshall, WW2:May 71: 355:8144

Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235

Windows
Structural Response to Sonic Booms, Roland L. Sharpe and Garrison Kost, ST4:Apr 71:1157:8063

Wind Pressure
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, Peter W. Chen, Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71
Anemometer Height in Froude Scaling of Wind Stress, Jin Wu, WW1:Feb 71:131:7873
Cable-Stayed Bridges - A State of the Art, Walter Podolny, Jr. and John F. Fleming, Preprint No.1346, Jan 71
Drag or Along-Wind Response of Slender Structures, J. J. Vickery and Kvan H. Kao, Preprint No.1384, Apr 71
Dynamics of Guyed Towers, R. J. McCaffry and Alois J. Hartmann, Preprint No.1379, Apr 71
Hyperbolic Cooling Towers, Development and Practice, Paul Rogers and Eli W. Cohen, PO1:Jan 70:117:7030
TR:136:899
Lift or Across-wind Response of Tapered Stacks, Barry J. Vickery and Arthur W. Clark, Preprint No.1385, Apr 71
Modeling of Structures Subjected to Wind Waves, Erich J. Plate and John H. Nath, WW4:Nov 69:491:6904
TR:136:309
Nuclear Power Plant Tornado Design Considerations, James A. Dunlap and Karl Wiedner, PO2:Mar 71:407:7949
Response of Structures to Time-Varying Wind Loads, Arthur N. Chiu, ST2:Feb 70:381:7104
TR:136:585
Superstructure for 1,350-ft.-High World Trade Center, Lester S. Feld, CE:June 71:66
Dsc: Richard M. Stanger, CE:Dec 71:71
Two-Dimensional Wind Set-Up of Oil on Water, Robert M. Sorensen and Edmund B. Spencer, WW3:Aug 71:517:8326
Variation in Vehicle Handling Characteristics Due to Driver Response Under Wind-Gust Loading, J. Mahig, Preprint No.1425, July 71
Wind Action on Simple Yielding Structures, Barry J. Vickery, EM2:Apr 70:107:7204
TR:136:1218
Wind-Induced Circulation in Shallow Water, Henry Liu and Himerio J. Perez, HY7:July 71:923:8235
Wind Loading on Free-Swinging Traffic Signals, James F. Marchman, III, TE2:May 71:237:8140
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Wind Tunnels
Newport Bridge Superstructure, Alfred Hedefine and Louis G. Silano, ST11:Nov 71:2653:8533
Wind-Tunnel Simulation of Wind Loading on Structures, J. E. Cermak and W. Z. Sadeh, Preprint No.1417, Apr 71

Withdrawal
Mechanics of Stratified Flow Through Orifices, Joseph P. Bohan and John L. Grace, HY12:Dec 70:2401:7757
Selective Withdrawal from Density-Stratified Reservoirs, Norman H. Brooks and Robert C.Y. Koh, HY4:July 69:1369:6702
TR:136:101
Select Reservoir Withdrawal by Multilevel Intakes, Walter B. Benton, William J. Wall and Shelton R. McKeever, PO1:Jan 70:109:7029
TR:136:409

Wood
Finite-Element Method for Wood Mechanics, Adam M.A. Al-Dabbagh, James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71
Orthotropic Elastic Properties of Wood, James R. Goodman and Jozsef Bodig, ST11:Nov 70:2301:7682

Wooden Structures
Point-Matching Analysis of Curved Timber Beams, Ricardo O. Foschi, ST1:Jan 70:35:6998
TR:136:522
Residual Stresses in Curved Laminated Wood Beams, John J. Zahn, ST12:Dec 69:2873:6977
TR:136:475
Timber-Arch Falsework for Concrete Arch Bridges, E. George Stern, CE:Feb 70:44
TR:136:184

Wood Wastes
Investigation of a Wood Curing Waste, Vernon L. Stump and Franklin J. Agardy, SA6:Dec 69:1051:6953
TR:136:284

Work Time Standards
The Impact of Staggered Work Hours on Public Transportation, Roger H. Gilman, NA:Mar 71:91
The 4-Day Work Week and Transportatioi, Vincent R. Desimone, Preprint No.1480, July 71

Wye Branches
Reinforcing Steel for Penstock Wye Branch, Ekenneth E. Sorensen, PO2:Oct 69:217:6830
TR:136:163

Yaw
Variation in Vehicle Handling Characteristics Due to Driver Response Under Wind-Gust Loading, J. Mahig, Preprint No.1425, July 71

Yield
Yield and Failure of Glass-Epoxy Composites, Ori Ishai, Arlo E. Moehlenpah and Aaron Preis, EM5:Oct 70:739:7616
TR:136:1240

Yield Line Method
Approximate Yield Surface Equations, Glenn A. Morris and Steven J. Fenves, EM4:Aug 69:937:6741
TR:136:225

Yield Strength
Approximate Yield Surface Equations, Glenn A. Morris and Steven J. Fenves, EM4:Aug 69:937:6741
TR:136:225
Yielding in Framed Structures Under Dynamic Loads, Navin C. Nigam, EM5:Oct 70:687:7613
TR:136:1125

Younger Viewpoint
ASCE and Public Policy, Christopher R. Ryan, CE:Nov 71:78
Dsc, Assuring Engineer-Contractor Cooperation, Michael J. Taylor and Richard G. Almes, CE:May 71:64
Changes Necessary in ASCE, William K. Johnson, CE:July 70:83
Dsc: Ray S. Hansen, CE:Nov 70:64
TR:136:599
Dsc, The Civil Engineer as a Sales Engineer, James M. Dockey, CE:Feb 71:78
Eastern Younger Member Conference Organized, Ira N. Pierce, CE:Aug 71:48
The Engineer and Social Responsibility, Robert E. Paaswell, CE:June 71:82
Engineering Internship, Dorothy N. McClellan, CE:Dec 71:78
Ethics and Mankind, Harry J. Ginsberg, CE:Oct 70:92
Dsc: Harry J. Ginsberg, CE:Feb 71:55
Is the Romance With Technology Over?, Stephen C. Mitchell, CE:July 71:79
Looking ahead - What Can One Man Do?, William K. Johnson, CE:Jan 71:77

XUM

Never A Greater Need, James L. Wright, CE:Apr 71:81

Zinc Coatings
Bolted Galvanized Bridges-Engineering Acceptance Near, Peter C. Birkemoe and D. C. Herrschaft, CE: Apr 70:42
TR:136:326

Zoning
Amortization of Nonconforming Uses in Flood Plains, William R. Walker, UP1:Mar 70:1:7125
TR:136:779
Hannover Regional Complex Including Airport, Heinz P. Piper, TE2:May 69:245:6534
TR:136:1233
Mobile Home Parks and American Municipalities, Stephen Sussna, UP2:Dec 71:139:8562
The New City of Columbia, Md., Edwin Baker, CE: Sept 70:57
TR:136:715
Planning for a New Town, Daniel W. Moore, UP1: Apr 71:79:8065
Staging of Highway Improvements for Urban Growth, John W. Dickey and Martin P. Azola, Preprint No.1512, July 71
Urbanization's Drainage Consequence, Paul O. Reimer and Joseph B. Franzini, UP2:Dec 71:217: 8600

1971 COMBINED NAME INDEX

Abbot, Orville
See Ernest C. James, CE:Jan 70:71

Abbott, Michael B.
Four-Point Method of Characteristics, with Adrianus Verwey, HY12:Dec 70:2549:7763
Errata: HY11:Nov 71:1903:8483

Abdel-Hady, M.
Depth to Ground-Water Table by Remote Sensing, with Harlan H. Karbs, IR3:Sept 71:355:8360

Abdel-Sayed, George
Effective Width of Steel Deck-Plate in Bridges, ST7:July 69:1459:6673
Dsc: Ramzi H. Ferahian, ST5:May 70:991:7250
Clo: ST2:Feb 71:718:7867
TR:136:516
Effective Width of Thin Plates in Compression, ST10:Oct 69:2183:6837
Dsc: Robert T. Ratay, ST4:Apr 70:874:7191; A. C. Walker and R. G. Dawson, ST6:June 70:1250:7314; Kothapalli Ramaiah Venkataramaiah and John Roorda, ST7:July 70:1610:7386
Clo: ST3:Mar 71:963:7944
TR:136:291

Abdul-Baki, Assad
Bearing Capacity of Foundation on Sand, with Lewis A. Beik, SM2:Mar 70:545:7158
Dsc: Leslie L. Karafiath, SM6:Nov 70:2146:7643; Jean-Pierre Giroud and Pierre Stutz, SM6:Nov 70:2148:7643; George C.Y. Hu, SM6:Nov 70:2151:7643; Boris S. Browzin and Gary H. Collison, SM1:Jan 71:250:7785
Clo: SM9:Sept 71:1339:8347
TR:136:1267

Abdul Khader, M. H.
Dsc, HY4:Apr 70:1050:7189, of "Gravity-Affected Flow from Planar Sluice Gatel", HY4:July 69:1211:6674
Dsc, HY7:July 70:1640:7384, of "Fluctuating Pressures in Spillway Stilling Basins", HY6:Nov 69:2071:6915
Dsc, with H. Suresh Rao, HY1:Nov 70:2397:7641, of "Pattern Of Potential Flow in a Free Overfall", HY4:Apr 70:879:7207
Dsc, with K. Elango and H. Suresh Rao, HY1:Jan 71:194:7783, of " Hot-Film Turbulence Measurements in Water Flow", HY3:Mar 70:787:7177
Dsc, with H. Suresh Rao, EM5:Oct 71:1567:8406, of "Turbulence Structure in Plane Couette Flow", EM6:Dec 70:1171:7754

Abdun-Nur, Edward A.
Control of Quality-A System, CO2:Oct 70:119:7576
Dsc: Walter D. Linzing, CO2:Nov 71:330:8482
Dsc, CE:Sept 71:67, on Can Development and Ecology be Reconciled?, CE:Apr 71:67

Abecasis, Fernando M.
Dsc, HY12:Dec 70:2654:7711, of "Designing Spillway Crests for High-Head Operation", HY3:Mar 70:745:7153

Abel, John F., Jr.
Tunnel Support-Where Does Geology Come In?, CE:Feb 70:70
TR:136:193

Abella, Alejandro U.
See Anat Arbhabhirama, HY1:Jan 71:31:7831

Abourezk, James
Dsc, CE:Apr 71:4, on Population and People, CE:Dec 70:27

Abrams, Joel I.
Thin Laminates with Homogeneous Elastic Properties, with Ernest R. Scheyhing, EM6:Dec 70:847:7758
TR:136:1327

Abu-Saba, Elias G.
Vibration of Chimney Supported on Elevated Concrete Slab, ST2:Feb 71:619:7936

Abu-Sitta, Salman H.
Cooling Towers Supported on Columns, ST12:Dec 70:2575:7753
Clo: ST11:Nov 71:2758:8485
Earthquake Design of Cooling Towers, with Alan G. Davenport, ST9:Sept 70:1889:7524
Dsc: K. V. Swaminathan and C. R. Venkatesha, ST7:July 71:2023:8225
Dsc, ST4:Apr 71:1378:8015, of "Nonsymmetric Vibrations of Thin Cylindrical Shells", ST10:Oct 70:2175:7632
See Mahmoud G. Hashish, EM2:Apr 71:253:8037

Abu-Wafa, Taher
Aswan High Dam: Rockfill Built Under Water, with Aziz H. Labib, CE:Aug 71:64

Achenbach, Jan D.
Flexural Vibrations of Laminated Plate, with Tony R. Zerbe, EM3:June 71:619:8181

Ackenheil, Alfred C.
Pennsylvania Erases Its Mining Scars, CE:Oct 70:54
TR:136:934
Recent Developments in Grouting for Deep Mines, with Murray T. Dougherty, SM1:Jan 70:251:7042
TR:136:525

Acker, Richard C.
See David E. Kleiner, PO1:Jan 71:11:7795

Ackermann, Norbert L.
Forces From Submerged Jets, with Rodolfo Undan, HY11:Nov 70:2231:7675
Dsc: John A. Roberson, EM8:Aug 71:1242:8267; S. Narasimhan and Nanak V. Shah, HY9:Sept 71:1530:8345
Salt Water Interface During Ground-Water Pumping, with Y. Y. Chang, HY2:Feb 71:223:7920
Surface Disturbance from Submerged Jet, with Rafael T. Apostol and Suvit Siriyong, HY7:July 71:937:8236

Acree, E. H.
An Underwater Survey System for Radionuclide-tagged Sediment Tracing, with H. R. Brashear and F. N. Case, 12CEC:pp.815-820, 1971
See H. R. Brashear, 12CEC:pp.821-830, 1971

XUM

Adams, Carl E., Jr.
Response of Activated Sludge to Organic Transient Loadings, with W. Wesley Eckenfelder, Jr, SA2: Apr 70:333:7205
Dsc: Raymond P. Canale, SA6:Dec 70:1448:7713; Larry G. Blackwell, SA1:Feb 71:105:7865
Errata: SA5:Oct 70:1288:7569
Clo: SA5:Oct 71:755:8409
TR:136:1231
See W. Wesley Eckenfelder, Jr., CWFE:Mar 71:291

Adams, John R.
See David R. Basco, HY12:Dec 71:2023:8599

Adams, Peter F.
Plastic Design of Coupled Frame-Shear Wall Structures, with James G. MacGregor, ST9:Sept 70: 1861:7505
Dsc: Ganpat S. Pandit, ST6:June 71:1826:8159
Dsc, ST10:Oct 71:2606:8411, of "Plastic Design of Multistory Steel Frames by Computer", ST1:Nov 70:2373:7689
See A. F. Lukey, ST6:June 69:1173:6599
See John Springfield, ST11:Nov 70:2528:7644
See J. H. Wynhoven, ST11:Nov 70:2538:7644
See Sauren N.G. Majumdar, ST4:Apr 71:1097:8031
See Masaaki Suko, ST10:Oct 71:2519:8443

Adams, Robert T.
Highway Advantages from Advanced Truck-rail Technology, Preprint No.1497, July 71

Adams, Staley F.
See J. Chinn, ST5:May 69:797:6539

Adepegba, Dotun
See Ramnath N. Swamy, ST6:June 70:1069:7338

Adeyemo, M. D.
Velocity Fields in the Wave Breaker Zone, 12CEC: pp.435-460, 1971

Adham, Samy A.
See Stuart D. Werner, SM5:Sept 70:1838:7499
See Jeremy Isenberg, ST12:Dec 70:2607:7782

Adigun, Solomon Alao
Dsc, SM2:Feb 71:505:7866, of "Liquid Limit Values by Soil Moisture Tension", SM3:May 70:967:7298

Adler, Ron K.H.
Lateral Refraction in Proximity of Structures, with Haim B. Papo, SU1:Oct 69:93:6846
TR:136:643

Advani, Rupchand M.
Dsc, with Pashupati N. Modi, HY4:Apr 70:1044: 7189, of "Stability of Structures on Permeable Foundations", HY4:July 69:1095:6648
Dsc, with Pashupati N. Modi, HY8:Aug 70:1763: 7439, of "Limit Slope in Uniform Computations", HY1:Jan 70:95:7011
Dsc, with Pashupati N. Modi, HY9:Sept 70:1910: 7497, of "Manning Formula-A Misnomer", HY1: Jan 70:193:7036
Dsc, with Pashupati N. Modi, HY11:Nov 70:2384: 7641, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, with Pashupati N. Modi, HY1:Jan 71:204:7783, of "Resistance Studies on Smooth Open Channels", HY5:May 70:1129:7266
Dsc, with Pashupati N. Modi, HY10:Oct 71:1788: 8407, of "Hydraulic Jump Within Gradually Expanding Channel", HY1:Jan 71:31:7831
Dsc, with Pashupati N. Modi, HY11:Nov 71:1923: 8483, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994

Afifi, Sherif S.
Long-term Pressures Effects on Shear Modulus of Soils, SM10:Oct 71:1445:8475

Agardy, Franklin J.
See Vernon L. Stump, SA6:Dec 69:1051:6953

Agarwal, S. P.
See S. K. Guha, TN: EM2:Apr 71:589:8017

Agarwal, Sohan L.
Experimental Verification of Discrete-element Solutions for Plates, with W. Ronald Hudson, TN: ST8:Aug 71:2159:8275

Agarwal, Tej P.
See Prem Krishna, ST6:June 71:1671:8168

Agarwal, V. P.
See S. K. Guha, TN: EM2:Apr 71:589:8017

Aggarwal, Anand S.
Dsc, EM4:Aug 69:1017:6705, of "A Numerical Technique for Elastica Problems", EM5:Oct 68: 1159:6182
See J. Stewart Kennedy, EM3:June 71:637:8165

Agrawal, Ashutosh K.
See Satya P. Garg, HY5:May 71:653:8091
See Satya P. Garg, HY7:July 71:1148:8223

Agrawal, Krishna M.
Dsc, ST9:Sept 69:2000:6755, of "New Rectanguiar Finite Element for Shear Wall Analysis", ST3:Mar 69:399:6464
Dsc, EM5:Oct 70:792:7574, of "Three-Dimensional Bar Cell for Elastic Stress Analysis", EM3:June 70: 313:7352
See Semih S. Tezcan, ST1:Jan 71:407:7847

Aguilar, Antonio M.
Area and Volume Errors in Reservoir Projects, Preprint No.1344, Jan 71
Area and Volume Errors in Reservoir Projects, SU2: Nov 71:287:8538

Ahlvin, Richard G.
Dsc, with Yu-Tang Chou and Harry H. Ulery, Jr., TE4:Nov 71:711:8486, of "Implications of Using Layered Theory in Pavement Design", TE4:Nov 70:495:7662

Ahmed, Nazeer
Nonlinear Flow in Porous Media, with Daniel K. Sunada, HY6:Nov 69:1847:6883
Dsc: John D. Lawson and Robin P. Curtis, HY7: July 70:1632:7384; R. P. Ranganadha Rao and C. Suresh, HY8:Aug 70:1732:7439; Avdhesh K. Tyagi and David K. Todd, HY8:Aug 70:1734: 7439; Domenico Zampaglione, HY8:Aug 70: 1738:7439; Frederic T. Mavis, HY1:Jan 71:170: 7783
Clo: HY8:Aug 71:1233:8267
TR:136:818

Ahrens, John P.
The Influence of Breaker Type on Riprap Stability, 12CEC:pp.1557-1566, 1971

AIA Documents Board,
Dsc, CO11:Nov 71:339:8482, of "Report on Recommended Amendments to AIA General Conditions (A-201), Eleventh Edition, September, 1967, by the Committee on Contract Administration of the Construction Division", CO2: Oct 70:165:7640

Airis, Thomas F.
Use of Air Rights over Urban Expressw , TE2:May 69:357:6550
Dsc: Robert L. McFall, TE2:May 70:245:7251
TR:136:641

Akili, Waddah
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See William F. Hill, Jr., NSCD:pp.223-243, 1971
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Akkas, Nuri
Buckling and Post-Buckling of Spherical Caps, with Nelson R. Bauld, Jr., EM3:June 71:727:8189

Akkoush, E. A.
Inelastic Deformations of Geometrically Nonlinear Frames, with Khalilollah Khozeimeh and Theodore G. Toridis, Preprint No.1405, Apr 71

Alam, Abu M.Z.
Friction Factors for Flow in Sand Bed Channels, with John F. Kennedy, HY6:Nov 69:1973:6900
Dsc: Thomas Maddock, Jr., HY10:Oct 70:2123: 7568
Clo: HY6:June 71:858:8155
TR:136:520
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Alberro, Jesus
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Albertsen, N. D.
See Harvey H. Haynes, Preprint No.1363, Apr 71

Albertson, Maurice L.
See J. Paul Tullis, HY5:Sept 69:1633:6787

Albritton, Gayle E.
Deep Slabs Subjected to Static and Blast Loading, ST11:Nov 69:2449:6919
Dsc: Neil W. Lane, ST5:May 70:1005:7250; Ganpat S. Pandit, ST8:Aug 70:1823:7442
Clo: SM1:Mar 71:966:7944
TR:136:365

Alcott, A. David
Dsc, with Norbert O. Schmidt, SM5:May 71:803: 8083, of "Engineering Behavior and Structure of Compacted Clay", SM4:July 70:1171:7397

Al-Dabbagh, Adam M.A.
Finite-Element Method for Wood Mechanics, with James R. Goodman and Jozsef Bodig, Preprint No.1389, Apr 71

Alden, William L.
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Aldersebaes, Jacob K.
Containment Structure For Trojan Nuclear Plant, with Karl Wiedner, PO2:Mar 71:351:7957
Dsc: Melvin W. Jackson, PO4:Dec 71:885:8554

Alexander, Ben
The Basic Inadequacy of Conventional Urban Transportation Modes, UTI:pp.59-78, 1971

Alexander, C.
See D. M. Leppke, CO1:Mar 71:53:8002

Alizadeh, M.
Lateral Load Tests on Piles-Arkansas River Project, with Melvin T. Davisson, SM5:Sept 70:1583:7510
Dsc: P. J. Pise, SM5:May 71:811:8083; Peter Kocsis, SM6:June 71:932:8158; Sol M. Gleser, SM6:June 71:935:8158; Wallace Estill Wilson, SM6:June 71:936:8158

Allen, Arthur E.
See David S. Louie, Preprint No.1284, Jan 71

Allen, Chester Lee
The Ethics of Teacher Evaluation, PP1:Oct 71:153: 8465
Dsc: John M. Hayes, PP1:Oct 71:158:8408

Allen, M. H.
See D. Watsein, Preprint No.1400, Apr 71

Allen, W. S.
Dsc, SM1:Jan 71:260:7785, of "State of Predictive Art in Subsidence Engineering", SM2:Mar 70:721: 7187

Alley, David A.
Mobile-Home Parks, with Ivan Orton and John L. Young, CE:Sept 71:88

Alley, E. W.
Long Prestressed Piles, CE:Apr 70:50
Dsc: Halvard W. Birkeland, CE:July 70:57
TR:136:342

Allgood, Jay R.
Structures In Soil Under High Loads, SM3:Mar 71: 565:8006

Allison, Stephen V.
Simulation of Wind Effects on Sprinkler Performance, with Victor L. Hesse, IR4:Dec 69: 537:6978
TR:136:1207

Almeida, Filomeno N.
Dsc, ST10:Oct 71:2621:8411, of "Experimental Study of Lateral Buckling of Arches", ST2:Feb 71:545: 7893
See Alfred Bishara, ST7:July 70:1445:7411
See Alfred G. Bishara, ST9:Sept 71:2261:8387

Almes, Richard G.
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Almeyer, William C.
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Al-Nassri, Sabah A.
See A. Roy Halliwell, HY12:Dec 70:2615:7711

AlNouri, Ilham
See Orlando B. Andersland, SM4:July 70:1249:7406

Altschaeffl, Adolph G.
Dsc, with Philip J. Valent, SM5:May 71:820:8083, of "Engineering Properties of Submarine Soils: State-of-the Art Review", SM5:Sept 70:1735:7536
See Gerald S. Leonards, SM1:Jan 71:269:7785
See Asuri Sridharan, SM5:May 71:771:8151

Alvarez, Ronald J.
Inelastic Analysis of Multistory Multibay Frames, with Charles Birnstiel, ST11:Nov 69:2477:6922
Dsc: Kurt Kloppel and Wolfhart Uhlmann, ST7: July 70:1617:7386; E Whitman Wright and Edwin H. Gaylord, ST8:Aug 70:1824:7442; John Springfield, ST8:Aug 70:1824:7442
Clo: ST4:Apr 71:1346:8015
TR:136:375

Amein, Michael
Implicit Flood Routing in Natural Channels, with Ching S. Fang, HY12:Dec 70:2481:7773
Dsc: J. William Kamphuis, HY5:May 71:761: 8081; Dinshaw N. Contractor and James M. Wiggert, HY5:May 71:762:8081; Danny L. Fread, HY7:July 71:1156:8223; Delbert D. Franz, HY9:Sept 71:1552:8345; Emmett M. O'Loughlin and David L. Short, &HY10:Oct 71: 1771:8407
See Leonard J. Langfelder, WW2:May 70:531:7306

Amer, Abdelwahab M.
Dsc, HY2:Feb 71:369:7863, of "Seepage from Trapezoidal Channels", HY6:June 70:1261:7335

Amin, Mohammad
Random Vibration in Seismic Analysis - an Evaluation, with I. Gungor, Preprint No.1409, Apr 71

XUM

See Alfredo H.-S. Ang, ST7:July 69:1389:6667

Amir, Illan
See Mordechai H. Diskin, WW2:May 70:359:7283

Amon, Rene
Stability of Edge-Reinforced Circular Plate, with Otto E. Widera, TN: EM5:Oct 71:1597:8412

Amorocho, Jaime
Power Losses and Flow Topologies in Manifold, with Johannes J. DeVries, HY1:Jan 71:81:7791
Dsc: John G. Stavropoulos, HY9:Sept 71:1561:8345

Anandakrishnan, M.
Dsc, with T. Kuppusamy, SM2:Mar 70:772:7115, of "Settlement of Building on Deep Compressible Soil", SM3:May 69:769:6547
See N. S. V. Kameswara Rao, EM2:Apr 71:271:8034

Andersland, Orlando B.
Time-Dependent Strength Behavior of Frozen Soils, with Ilham AlNouri, SM4:July 70:1249:7406
TR:136:970
Dsc, with Arthur G. Douglas, SM3:May 70:1073:7249, of "Bonding, Effective Stresses and Strength of Soils", SM5:Sept 69:1219:6786
See Roy R. Goughour, PISST:pp.287-314, 1971

Anderson, Arthur R.
Dynamic Driving Stresses in Prestressed Concrete Piles, with Saad E. Moustafa, CE:Aug 71:55

Anderson, Donald L.
See Robin G. Charlwood, Preprint No.1364, Apr 71
See Stanley G. Hutton, EM5:Oct 71:1503:8448

Anderson, J. Edward
Morphology of Urban Transportation, Preprint No.1468, July 71

Anderson, James B.
See Herbert S. Riesbol, PO1:Jan 71:93:7811

Anderson, James C.
Dsc, with Vitelmo V. Bertero, ST6:June 70:1246:7314, of "Elasto-Plastic Seismic Response of Reinforced Concrete Frame", ST10:Oct 69:2031:6813

Anderson, James J.
Real-Time Computer Control of Urban Runoff, HY1:Jan 70:153:7028
Dsc: George Fleming, HY9:Sept 70:1908:7497; Robert L. McFall, HY9:Sept 70:1909:7497
TR:136:937

Anderson, Joseph
Construction and Operation of Wells Dam, with Lee A. Wyngaard, PO2:Feb 71:335:7975

Anderson, Maynard M.
Water-System Expansion Spurs New Tunnel Technology, CE:Sept 70:69
Errata: Correction, M. M. Anderson, CE:Jan 71:71
TR:136:731

Anderson, Melvin W.
See P. G. Teleki, 12CEC:pp.269-288, 1971

Anderson, Roy A.
Stability of Clay Interbeds - Columbia River Valley, with Robert L. Schuster, Preprint No.1478, July 71

Anderson, W. Carl
Impact Tests on Prototype Transmission Pole Structures, Preprint No.1527, Oct 71

Anderson, W. E.
Estimating Cracking Behavior of Metallic Structures, with Lee A. James, ST4:Apr 70:773:7213
Dsc: Victor Singer, ST9:Sept 70:1982:7567
Clo: ST4:Apr 71:1359:8015
TR:136:889

Andrews, G. H.
Constructive Criticism of Public Works, Preprint No.1435, July 71

Andrews, John F.
Dynamic Model of the Anaerobic Digestion Process, SA1:Feb 69:95:6418
Dsc: Shankha K. Banerji, SA6:Dec 69:1191:6931; George E. Fox and Philip A. Rice, SA6:Dec 69:1191:6931; Richard R. Dague, SA6:Dec 69:1194:6931; Frederick G. Pohland and J. C. Martin, SA6:Dec 69:6931
Clo: SA3:June 70:848:7313
TR:136:714

Andriopoulos, Alexios
See Ramnath N. Swamy, ST6:June 70:1069:7338

Andros, J. Peter
See Richard M. Bodner, SA4:Aug 70:893:7451

Aneja, Ish K.
Model Analysis of Curved Box-Beam Highway Bridge, with Frederic Roll, ST12:Dec 71:2861:8603

Ang, Alfredo H.-S.
Safety Factors and Probability in Structural Design, with Mohammad Amin, ST7:July 69:1389:6667
Dsc: Frederic T. Mavis, ST4:Apr 70:849:7191; Ganpat S. Pandit, ST4:Apr 70:852:7191; N. Gopalakrishnan and Jawalker K. Sridhar Rao, ST4:Apr 70:853:7191; J. Tiago de Oliveira, ST4:Apr 70:856:7191; Peter Lumb, ST4:Apr 70:858:7191; Carl J. Turkstra, ST5:May 70:986:7250; Abraham M. Hasofer, ST5:May 70:988:7250
Clo: ST3:Mar 71:956:7944
TR:136:161

Ansley, R. W.
See M. P. duPlessis, PL2:July 67:1:5340

Anton, Jose M.
Dsc, ST4:Apr 70:871:7191, of "Limit Analysis of Structures", ST9:Sept 69:1901:6778

Antoni, Charles M.
See James A. Mandel, ST7:July 71:1947:8260

Anwar, Habib O.
Behavior of Buoyant Jet in Calm Fluid, HY4:July 69:1289:6688
Dsc: James J. Sharp, HY4:Apr 70:1065:7189
Clo: HY11:Nov 70:2373:7641
TR:136:93
Dsc, HY1:Jan 70:288:6988, of "Spread of Buoyant Jets at the Free Surface", HY3:May 69:811:6538

Apelt, Colin J.
Dsc, HY10:Oct 70:2134:7568, of "Numerical Method of Computing Flow Profiles", HY1:Jan 70:75:7005

Apmann, Robert P.
Diffusion of Sediment in Developing Flow, with Ralph R. Rumer, Jr., HY1:Jan 70:109:7018
TR:136:415
Experiences with Bed Sills in Stream Stabilization, with Paul H. Blinco, WW3:Aug 69:319:6724
TR:136:561
Dsc, HY9:Sept 70:1925:7497, of "Resistance Studies on Smooth Open Channels", HY5:May 70:1129:7266

Apostol, Rafael T.
See Norbert L. Ackermann, HY7:July 71:937:8236

Apparao, Tamizisa V.S.R.
Dsc, ST12:Dec 70:2674:7714, of "Hyperbolic Functions for Prestress Loss and Camber", ST4:Apr 70:803:7227

Aral, Mustafa M.
See C. Samuel Martin, HY7:July 71:1081:8239

Aranguren, Flora
See Juan B. Font, 12CEC:pp.2243-2250, 1971

Arbhabhirama, Anat
Hydraulic Jump Within Gradually Expanding Channel, with Alejandro U. Abella, HY1:Jan 71:31:7831
Dsc: Hari R. Sharma, HY9:Sept 71:1567:8345; Mohan M. Dandekar, HY9:Sept 71:1569:8345; Rupchand M. Advani and Pashupati N. Modi, HY10:Oct 71:1788:8407; M. Padmanabhan, HY10:Oct 71:1789:8407
Dsc, with Edward K. Noda, HY12:Dec 70:2674:7711, of "Seepage from Trapezoidal Channels", HY6:June 70:1261:7335

Arce, C. M.
Compared Experiences with the S.P.T. (In Spanish), with F. L. Torres and H. J. Vercelli, 4PCSM:pp.95-104, 1971

Archer, John C.
See Gunnar A. Harstead, PO2:Mar 71:475:7966

Ardis, Colby V.
Storm Drainage Practices of Thirty-two Cities, with Kenneth J. Dueker and Arno T. Lenz, HY1:Jan 69:383:6365
Dsc: Richard A. Rogers, HY6:Nov 69:2195:6866; Kenneth R. Wright and Elmer L. Claycomb, HY6:Nov 69:2196:6866
Errata: HY6:June 70:1354:7310
TR:136:783

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TR:136:1320
How Safe Are Your Towers?, ST1:Jan 70:1:6994
Dsc: Massimo Finzi, ST:Oct 70:2237:7570; William J. Thrasher, ST10:Oct 70:2238:7570; George R. Sinclair, ST10:Oct 70:2241:7570
Clo: ST4:Apr 71:1356:8015
TR:136:499

Arendts, J. G.
Concrete Box-Girder Bridges as Sandwich Plates, with Wallace W. Sanders, Jr., ST11:Nov 70:2353:7695
Dsc: S. P. Sharma and A. Rajaraman, ST8:Aug 71:2153:8271

Argaman, Yerachmiel
Turbulence and Flocculation, with Warren J. Kaufman, SA2:Apr 70:223:7201
Dsc: George E. Glover, SA4:Aug 70:1025:7441
Clo: SA2:Apr 71:229:8013
TR:136:354
Dsc, SA5:Oct 71:783:8409, of "Shearing Effects On Settling of Activated Sludge", SA1:Feb 71:59:7926

Argyropoulos, Praxitelis A.
Dsc, HY9:Sept 70:1906:7497, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY9:Sept 70:1912:7497, of "Manning Formula-A Misnomer", HY1:Jan 70:193:7036
Dsc, HY12:Dec 70:2667:7711, of "Resistance Studies on Smooth Open Channels", HY5:May 70:1129:7266

Armacost, James O., III
See George C. Driscoll, ST1:Jan 70:17:6995

Armenakas, Anthony E.
See Henry E. Keck, EM2:Apr 71:541:8071

Armentrout, Charles L.
Channel Slope Effect on Peak Discharge of Natural Streams, with Robert B. Bissell, HY2:Feb 70:307:7052
Dsc: Frederic T. Mavis, HY6:June 70:1377:7310; Sat Dev Khanna, HY7:July 70:1657:7384; Curtis L. Larson, HY8:Aug 70:1771:7439; Brian M. Reich, HY10:Oct 70:2146:7568; Jayant P. Patel and Arvind P. Mody, HY12:Dec 70:2620:7711
Clo: HY7:July 71:1134:8223
TR:136:952

Armstrong, Ellis L.
Development of Tunneling Methods and Controls, CO2:Oct 70:99:7577
Dsc: Frank T. Wheby, CO2:Nov 71:333:8482; John Paul Hartman, CO2:Nov 71:335:8482; Robert R. Faddick, CO2:Nov 71:336:8482
Dsc, CE:July 70:38, on The Civil Engineer and the Conservationist, CE:Feb 70:37

Armstrong, Richard C.
Replacement-Lock and Dam No. 26: Plans Considered, WW1:Feb 70:49:7071
TR:136:418

Armstrong, William L.
Dynamic Response of the Huyck Stream Bridge, Preprint No.1569, Oct 71

Arnold, C. Adrian
Multipurpose Land-water Transfer Facility - The Alaska Ferry Terminal, Preprint No.1481, July 71

Aron, Gert
Dynamic Programming for Conjunction Water Use, with Verne H. Scott, HY5:May 71:705:8145

Arpin, Oscar E.
Tidal Inlet Problems Along the New England Coast, 12CEC:pp.1171-1185, 1971

Arsham, Amirikian
Lift Dock Combines Drydock and Transfer Platform, CE:July 71:37

Arthur, Harold G.
New Design Criteria for USBR Penstocks, with John J. Walker, PO1:Jan 70:129:7034
Dsc: Charles F. Corns, PO1:Jan 71:248:7784; George E. Day and Horace S. Beckner, PO1:Jan 71:250:7784; Robert W. Mikitka and Joel H. Trammell, PO1:Jan 71:252:7784; Malcolm N. Stephens, PO1:Jan 71:253:7784; Alberto Mosseri and Carlos S. Ospina, PO1:Jan 71:255:7784; Mircea S. Vasilescu, PO1:Jan 71:256:7784
Clo: PO3:July 71:715:8256
TR:136:939
Transporting Equipment for Grand Coulee Third Plant, PO2:Nov 68:125:6226
Errata: PO1:Jan 71:222:7784
TR:135:289

Arup, O. N.
Sydney Opera House, with Gerd J. Zunz, CE:Dec 71:50

Arya, Anand S.
Free Vibration Characteristics of Shell Roofs, with Shashi K. Thakkar, EM1:Feb 71:109:7929
Errata: Shashi Thakkar, EM6:Dec 71:1743:8551
Vibration Analysis of Thin Cylindrical Containers, with Shashi K. Thakkar and Atul C. Goyal, EM2:Apr 71:317:8010
Dsc: Geoffrey B. Warburton and John Higgs, EM6:Dec 71:1743:8551

Asbeck, Thomas A.
Tellurometer Ground Swing Over Ice Surface, with James L. Clapp, SU1:May 71:53:8149

XUM

Ashby, D. J.
Dsc, with F. Sherratt, ST10:Oct 69:2322:6803, of "Cumulative Damage Theories and Application", ST12:Dec 68:2739:6290

Askew, Arthur J.
Variation in Lag Time for Natural Catchments, HY2: Feb 70:317:7051
TR:136:473
Dsc, with William Wen-Gong Yeh, SA3:June 70:854: 7313, of "Economic Measure of Effect of Extreme Data", SA4:Aug 69:683:6720

Asplund, S. Olof
Dsc, ST10:Oct 71:2623:8411, of "Experimental Study of Lateral Buckling of Arches", ST2:Feb 71:545: 7893

Atakol, Kenan
Dynamic Shearing Resistance of Dry Ottawa Sand, with H. Gordon Larew, SM2:Mar 70:705:7186
Errata: SM1:Jan 71:258:7785
TR:136:902

Atkins, R. S.
Optimum Housing Allocation Model for Urban Areas, with Edward M. Krokosky, UP1:Apr 71:41: 8022

Atterbury, Thomas J.
See Everett C. Rodabaugh, UPC:Apr 71

Atwell, James S.
See Otis J. Sproul, NSCD:pp.385-396, 1971

Au, Tung
Building Construction Games-General Description, with Ernest W. Parti, CO1:July 69:1:6645
Dsc: Graham Cullingford and David Scott, CO1: June 70:85:7308
Clo: CO1:Mar 71:165:7939
TR:136:15
Civil Engineering in Health Care Systems, PP1:Oct 71:87:8470
Decisions under Uncertainty in Construction Management, with Richard M. Shane, Preprint No.1355, Apr 71
Design Processes and Computer Methodology, Preprint No.1369, Apr 71
Project Planning Game for Foundation Excavation, with Ernest W. Parti, CO1:July 69:11:6646
Dsc: John D. Bristor, CO1:June 70:86:7308
Clo: CO1:Mar 71:165:7939
TR:136:152
See Andrew K.C. Wong, ST1:Jan 71:115:7822

Aubert, Eugene J.
Potential of Precipitation Modification, with Gurbachan P. Malhotra and D. B. Spiegler, Preprint No.1303, Jan 71

Aude, T. C.
See E. J. Wasp, TE2:Apr 71:271:8106

Austin, Donald R.
Electrified Railroads -- A Catalyst in the Economy, Preprint No.1434, July 71

Austin, Gary H.
Multilevel Outlet Works at Four Existing Reservoirs, with Donald A. Gray and Donald G. Swain, HY6: Nov 69:1793:6877
TR:136:246

Austin, Lloyd H.
Outlet Transitions with Triangular-Shaped Baffles, with Gaylord V. Skogerboe and Ray S. Bennett, IR3:Sept 71:433:8366
See Gaylord V. Skogerboe, IR3:Sept 70:309:7542
See Gaylord V. Skogerboe, HY2:Feb 71:362:7863

Austin, Walter J.
In-Plane Bending and Buckling of Arches, ST5:May 71:1575:8130

Avent, R. Richard
Nonlinear Field Analysis of Structural Nets, ST5: May 69:889:6556
Dsc: John McCormick and Joseph P. Wright, ST3:Mar 70:729:7116
Clo: ST10:Oct 70:2229:7570
TR:136:72

Awasthy, Subash Chandra
See Jabajattu Subramanya, HY12:Dec 70:2635:7711

Ayala, Giovanni F.
See Marlyn E. Clark, EM5:Oct 69:1189:6854

Azola, Martin P.
See John W. Dickey, Preprint No.1512, July 71

Azpurua, Omar
See Juan B. Font, 12CEC:pp.2243-2250, 1971

Babcock, Henry A.
See Robert R. Faddick, HY5:May 71:745:8081

Babicki, Bogue B.
Cables Support Office Building, CE:Oct 71:64

Bach, Ira J.
A Program For New Towns, UP1:Apr 71:55:8059
Dsc: V. Setty Pendakur and Henry Ropertz, UP2: Dec 71:246:8558

Bacher, Alfred E.
Dsc, ST9:Sept 70:1970:7567, of "Structural Behavior of Concrete Arch Culvert", ST12:Dec 69:2665:6942

Back, William
Carbon-14 Ages Related to Occurrence of Salt Water, with Bruce B. Hanshaw and Meyer Rubin, HY11:Nov 70:2325:7702
TR:136:1297

Backus, Eugene S.
New Municipal Incinerator Defeats Pollution/Corrosion Problems, CE:Dec 71:48

Bacon, Vinton M.
New Trends in Tertiary Treatment, with Tom H. Forrest, CWFE:Mar 71:185

Bagish, B. P.
Dsc, ST6:June 71:1810:8159, of "Model of Natural Draft Cooling Tower Performance", SA4:Aug 70: 927:7461

Bahadur, A. P.
See K. G. Ranga Raju, HY5:May 71:738:8081

Bailey, George W.
Dsc, SA4:Aug 71:533:8269, of "Adsorption of Pesticides by Clay Minerals", SA5:Oct 70:1057: 7603

Bailey, John J., Jr.
Dsc, with Henry M. Reitz, SM5:Sept 70:1810:7499, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
Dsc, with Henry M. Reitz, PISST:pp.249-252, 1971, of "Building Damage from Extensive Steel Slag Backfill", PISST:pp.235-244, 1971

Bailey, Thomas E.
Estuarine Oxygen Resources-Photosynthesis and Reaeration, SA2:Apr 70:279:7215
TR:136:517
Dsc, SA2:Apr 70:633:7190, of "Fluorometer Calibration Curves and Nomographs", SA4:Aug 69: 705:6728
Dsc, SA3:June 71:380:8157, of "Water Quality Control in California", SA4:Aug 70:873:7448

Baillod, C. Robert
Mass Transfer Limitations in Substrate Removal, with William C. Boyle, SA2:Apr 70:525:7239
TR:136:891

Baird, Ralph W.
See Walter G. Knisel, HY2:Feb 70:497:7084

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Baker, Clyde N., Jr.
Caisson Construction Problems and Correction in Chicago, with Fazlur Khan, SM2:Feb 71:417:7934
Dsc: Dalim K. Majumdar, SM8:Aug 71:1136:8270; Robert F. Legget, SM9:Sept 71:1347:8347
Dsc, SM2:Mar 70:771:7115, of "Settlement of Building on Deep Compressible Soil", SM3:May 69:769:6547

Baker, Edwin
The New City of Columbia, Md., CE:Sept 70:57
TR:136:715

Baker, Gerald L.
See Douglas C. Moorhouse, SM4:July 69:985:6656
See Douglas C. Moorhouse, PISST:pp.379-388, 1971

Baker, Raphael
See Gabriel Kassiff, SM3:Mar 71:529:7951

Baker, Robert F.
Policy Development--An Emerging Role for Civil Engineers, PP1:Oct 71:35:8478
Transportation Research Needs in Civil Engineering, TE3:Aug 71:541:8343

Baker, Robert J.
Engineering Considerations in Disinfection, NSCD: pp.683-697, 1971

Baker, Wallace H.
Mohr-Coulomb Strength Theory for Anisotropic Soils, with Raymond J. Krizek, SM1:Jan 70:269:7015
TR:136:442

Bakken, Asbjern
Dsc, CE:Aug 70:68, on Shotcrete Support in Rock Tunnels in Scandinavia, CE:Jan 70:72

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Balakrishnan, Srinivasalu
Nitrogen Removal By Modified Activated Sludge Process, with W. Wesley Eckenfelder, Jr., SA2:Apr 70:501:7236
TR:136:901

Balakrishna Rao, H. A.
See Kaare Hoeg, SM2:Mar 70:429:7138

Balbiani, Andrew S.
Proposals for Gaining Acceptance for Gaining Acceptance for Urban Freeways, with Richard J. Naish and Daniel M. Reisner, TE4:Nov 70:585:7672
TR:136:1278

Baldwin, John R.
Causes of Delay in the Construction Industry, with James M. Manthei, Harold Rothbart and Robert B. Harris, CO2:Nov 71:177:8501

Baliga, Kalyanpur Y.
See John T. O'Connor, SA6:Dec 70:1377:7767

Ball, James W.
See Robert A. Robertson, HY7:July 71:889:8229

Ball, Robert E.
Dsc, EM5:Oct 71:1584:8406, of "Response Computation Using Truncated Taylor Serier", EM2:Apr 71:295:8019
See Charles C. Cromer, EM3:June 71:657:8187

Balloffet, Armando
Dsc, with Robert H. Jankowski, HY10:Oct 70:2135:7568, of "Numerical Method of Computing Flow Profiles", HY1:Jan 70:75:7005

Balsara, Jimmy P.
Blast Loaded Buried Arches, EM1:Feb 70:1:7058
TR:136:478

Bamford, R. M.
See R. J. Melosh, ST4:Apr 69:661:6510

Banavalkar, P. V.
Analysis of Thin Steel Hyperbolic Paraboloid Shells, with Peter Gergely, Preprint No.1320, Jan 71

Bandy, Martin A.
See T. J. Chung, TN: EM4:Aug 71:1315:8273

Bandyopadhya, M.
See V. Raman, SA6:Dec 69:1013:6950

Bandyopadhyay, K. K.
See A. N. Biswas, HY1:Jan 71:175:7783

Banerjee, Kalidas
Dsc, SM2:Feb 71:510:7866, of "Analysis of Circular Footings on Layered Soils", SM4:July 70:1289:7408

Banerji, Shankha K.
Dsc, SA6:Dec 69:1191:6931, of "Dynamic Model of the Anaerobic Digestion Process", SA1:Feb 69:95:6418

Banks, Don C.
Dsc, with Bruce N. Mac Iver, SM5:May 71:791:8083, of "Review of Shearing Strength of Rockfill", SM4:July 70:1159:7394

Bansal, Mahendra K.
Dispersion in Natural Streams, HY11:Nov 71:1867:8540

Banys, Ray J.
See Quentin A. Edson, PO1:Jan 71:61:7801

Barata, Fernando Emmanuel
The Allowable Settlement and the Design of Foundations, 4PCSM:pp.197-201, 1971

Barber, James C.
See Francis E. Gartrell, SA6:Dec 70:1321:7761

Barcelo, Julio Patriarca
Experimental Study of the Hydraulic Behaviour of Inclined Groyne Systems, 12CEC:pp.1021-1040, 1971

Barden, Laing
Engineering Behavior and Structure of Compacted Clay, with Geoffrey R. Sides, SM4:July 70:1171:7397
Dsc: N. Keith Tovey, SM4:Apr 71:694:8014; J. G. Cabrera and I. J. Smalley, SM5:May 71:802:8083; A. David Alcott and Norbert O. Schmidt, SM5:May 71:803:8083
Clo: SM12:Dec 71:1708:8556
Time Dependent Deformation of Normally Consolidated Clays and Peats, SM1:Jan 69:1:6337
Dsc: Mei Ban Lo, SM1:Jan 70:317:6989; Leonard K. Walker, SM1:Jan 70:319:6989; E. T. Hanrahan and P. X. Goodwin, SM1:Jan 70:321:689
Clo: SM9:Sept 71:1337:8347
TR:136:1055

XUM

Barker, Bruce
Dsc, with Gerald D. Seinwill, WW4:Nov 70:874: 7645, of "Problems of Inland Waterway Lock Dimensions", WW2:May 70:451:7295
Dsc, with Gerald D. Seinwill, SA1:Feb 71:124:7865, of "Total Dollar Benefit of Water Pollution Control", SA3:June 70:665:7323

Barker, Richard M.
See Charles W. Pryor, Jr., EM6:Dec 70:967:7760

Barlett, John V.
Precast Concrete Tunnel Linings for Toronto Subway, CO2:Nov 71:241:8498

Barloon, Marvin J.
Dsc, TE2:May 70:244:7251, of "Economic Location of Locks", TE1:Feb 69:77:6397

Barnett, Joseph
Express Bus Mass Transit, TE2:May 70:133:7256
Clo: TE2:May 71:385:8082
TR:136:830

Barnett, Ralph L.
Optimum Prestressed Tubular Columns, ST2:Feb 70: 291:7083
TR:136:564

Barnhart, Edwin L.
Transfer of Oxygen in Aqueous Solutions, SA3:June 69:645:6639
Dsc: P. Wilderer, SA2:Apr 70:630:7190
Clo: SA6:Dec 70:1439:7713
TR:136:775

Baron, Frank
Nonlinear Analysis of Cable and Truss Structures, with Mahadeva S. Venkatesan, ST2:Feb 71:679: 7937
Dsc: John J. Jonatowski and Charles Birnstiel, ST12:Dec 71:2895:8557
Nonlinear Formulations of Beam-Column Effects, with Mahadeva S. Venkatesan, ST4:Apr 71:1305: 8080

Barr, David I. H.
Dsc, with John F. Riddell, PL1:Oct 68:175:6133, of "Settling Parameter in Solids Pipelining", PL2:July 67:1:5340

Barrett, Bruce R.
Monitors Solve Fish-kill Mystery, CE:Jan 71:40

Barriage, Joan B.
Examining the Costs and Benefits of Delay Reduction with STOL Air Transportation, with Stanley P. E. Price, Preprint No.1507, July 71

Barron, Reginald A.
Dsc, PISST:Aug 68:40, of "Foundation Precompression with Vertical Sand Drains", PISST: pp.9-39, 1971
Dsc, SM5:Sept 70:1831:7499, of "Foundation Precompression With Vertical Sand Drains", SM1: Jan 70:145:7019
Dsc, SM5:May 71:822:8083, of "Phreatic Surface Location after Drawdown", SM1:Jan 71:47:7806

Barsoum, Roshdy S.
Dsc, EM2:Apr 70:174:7188, of "Elastic Buckling of Two Component Columns", EM3:June 69:611:6612

Barton, Furman W.
See Robert E. Fulton, EM3:June 71:865:8214

Basak, Sanjay
See Amruthur S. Ramamurthy, HY5:May 70:1105: 7257

Basco, David R.
Drag Forces on Baffle Blocks in Hydraulic Jump, with John R. Adams, HY12:Dec 71:2023:8599

Base, Geoffrey D.
Dsc, with C. Christopher Simpson, Lewis C. Schmidt, Donald S. Mansell and Leonard K. Stevens, ST12: Dec 71:2920:8557, of "Bolted Joints Under Sustained Loading", ST3:Mar 71:905:7996

Basore, Carl E.
Sand Densification by Piles and Vibroflotation, with Joseph D. Boitano, SM6:Nov 69:1303:6892
Dsc: Sachinder N. Gupta, SM4:July 70:1473: 7385; Eugene A. Miller and Lyle E. Lewis, SM5:Sept 70:1817:7499; George O.N. Reed, SA6:June 71:919:8158
Clo: SM6:June 71:921:8158
TR:136:567
Sand Densification by Piles and Vibrofloatation, with Joseph D. Boitano, PISST:pp.203-224, 1971
Dsc: Sachinder N. Gupta, PISST:pp.224-226, 1971; Eugene A. Miller and Lyle E. Lewis, PISST:pp.226-229, 1971; George O.N. Reed, PISST:pp.230-232, 1971
Clo: PISST:pp.232-234, 1971

Bates, William F., Jr.
Structural Analysis by Computer Graphics, ST11:Nov 69:2433:6914
TR:136:1099

Battjes, Jurgen A.
Refraction of Water Waves, WW4:Nov 68:437:6206
TR:136:637

Battjes, Jurjen A.
Run-Up Distributions of Waves Breaking on Slopes, WW1:Feb 71:91:7923

Bauer, Kurt W.
The Comprehensive Plan in Transportation Planning, TE3:July 70:421:7493
Dsc: Robert L. McFall, TE2:May 71:387:8082

Bauer, Sebastian W.
Free Overfall As Flow Measuring Device, with Walter H. Graf, IR1:Mar 71:73:7987
Dsc: M. V. Jagannadha Rao and Nagar S. Lakshmana Rao, IR4:Dec 71:656:8553; Eric Markland, IR4:Dec 71:656:8553

Bauld, Nelson R., Jr.
See Nuri Akkas, EM3:June 71:727:8189
See Conor D. Johnson, EM6:Dec 71:1643:8598

Baumann, E. Robert
See Jerry Y.C. Huang, SA6:Dec 70:1460:7713
See Jerry Y. C. Huang, SA2:Apr 71:171:8060

Baumgarten, Ralph M.
Dsc, CO1:June 70:88:7308, of "OPBID: Competitive Bidding Strategy Model", CO1:July 69:85:6690

Baxter, Samuel S.
Annual Address, PP1:Oct 71:5:8466
Blueprint for the New ASCE Year, CE:Jan 71:43
Challenges for ASCE, CE:July 71:67
TR:136:1334
Civil Engineering Management in Public Practice, PP1:July 69:23:6662
Dsc: John D. Bristor, PP1:Sept 70:151:7549
TR:136:761

Bayazit, Mehmetcik
Dsc, HY11:Nov 70:2394:7641, of "Runoff Forecasts by Linear Predictive Filter", HY3:Mar 70:681:7146
Dsc, HY5:May 71:754:8081, of "Predicting Concentration Profiles in Open Channels", HY10: Oct 70:1983:7618

Bayles, Jack
Dsc, ST2:Feb 70:415:7047, of "Finite-Difference Methods for Plate Vibration Problems", ST3:Mar 69:441:6477

Bazant, Zdenek P.
Dsc, ST12:Dec 70:2682:7714, of "Behavior of Concrete Under Varying Strain Gradients", ST8: Aug 70:1675:7484

Beard, Leo R.
Status of Water Resource Systems Analysis, Preprint No.1308, Jan 71
See E. R. Close, ST5:May 70:1167:7297

Beaton, John L.
Making Highways Skid-proof, CE:Mar 71:42
Errata: Corrections, John L. Beaton, CE:Aug 71: 63

Beaufait, Fred W.
See Karl C. Muhlbauer, ST12:Dec 69:2783:6958

Beazley, Jon S.
Modern Day Surveys for Highway Location and Design, SU1:Apr 70:11:7196
TR:136:727

Beck, Charles F.
Computer's Role in Transmission Line Design, ST1: Jan 71:63:7817
Dsc: Harihar De and George R. Sinclair, ST10: Oct 71:2610:8411

Beck, Earl J.
Mossyrock Project River-Diversion and Care of Fish, PO1:Jan 71:1:7800

Beckner, Horace S.
See George E. Day, PO1:Jan 71:203:7803
See George E. Day, PO1:Jan 71:250:7784

Bedford, Keith W.
See Fred G. Haag, HY12:Dec 71:2051:8610

Beedle, Lynn S.
What's a Tall Building?, with Le-Wu Lu, Preprint No.1553, Oct 71

Beene, Ralph R. W.
A Study of a Slide-prone Clay in Panama, 4PCSM: pp.129-138, 1971

Beer, Carl
Dsc, SA2:Apr 70:647:7190, of "Phosphate Removal: Summary of Papers", SA5:Oct 69:803:6807
Dsc, SA2:Apr 70:648:7190, of "Phosphate Removal at Baltimore, Maryland", SA5:Oct 69:817:6817
Dsc, SA6:Dec 70:1452:7713, of "Evaluation of Anaerobic Denitrification Processes", SA2:Apr 70: 267:7211

Beetle, George R.
Engineering and Society: A Contemporary Challenge, CE:Feb 71:51
Dsc: Robert F. Borg, CE:July 71:40

Begell, Richard G.
See Normand L. Moore, SU1:May 71:83:8098

Behera, Umakanta
Reinforcement for Torque in Spandrel L-Beams, with K. S. Rajagopalan and Phil M. Ferguson, ST2:Feb 70:371:7103
TR:136:581
Torsion, Shear, and Bending on Stirruped L-Beams, with Phil M Ferguson, ST7:July 70:1271:7419
Dsc: Ganpat S. Pandit, ST4:Apr 71:1374:8015
Errata: ST11:Nov 71:2757:8485
Dsc, ST11:Nov 70:2537:7644, of "Spandrel-Slab Interaction", ST1:Jan 70:89:7017
Dsc, ST3:Mar 71:977:7944, of "Concrete Beams in Bending, Torsion and Shear", ST5:May 70:885: 7270
Dsc, ST3:Mar 71:996:7944, of "What Do We Know About Torsion in Concrete Members", ST6:June 70:1185:7372

Beik, Lewis A.
See Assad Abdul-Baki, SM2:Mar 70:545:7158

Beimborn, Edward A.
Terminal Access and the Choice of Intercity Modes, TE3:Aug 69:463:6731
Dsc: Richard F. Broberg, TE2:May 70:248:7251
Clo: TE1:Feb 71:165:7864
TR:136:117

Bell, James M.
See V. Miguel Ponce, SM4:Apr 71:625:8062

Bell, John C.
Partially Cracked Finite Elements, with David G. Elms, TN: ST7:July 71:2041:8226

Bell, Lansford C
Analysis of Curved Girder Bridges, with Conrad P Heins, Jr., ST8:Aug 70:1657:7462
Dsc: Douglas A. Nettleton, ST2:Feb 71:739
Clo: ST12:Dec 71:2886:8557

Bella, David A.
Dissolved Oxygen Variations in Stratified Lakes, SA5:Oct 70:1129:7628
Errata: SA5:Oct 71:765:8409
TR:136:1237
Finite-Difference Convection Errors, with William J. Grenney, SA6:Dec 70:1361:7744
Dsc: Douglas G. Fox, SA5:Oct 71:766:8409

Bellport, Bernard P.
Construction Innovations In Reclamation Work, CO1:Mar 71:79:7999
USBR Specifications Focus on Environment, CE:July 71:50
Dsc: Michael Goodman, CE:Dec 71:70

Belytschko, Ted
Plane Stress Limit Analysis by Finite Elements, with Philip G. Hodge, Jr., EM6:Dec 70:931:7746
Dsc: Raffaele Casaciario, Antonio Di Carlo and Gianfranco Valente, EM5:Oct 71:1560:8406
Dsc, ST8:Aug 70:1836:7442, of "Theory of Nonlinear Elastic Structures", ST12:Dec 69:2687:6943

Bender, Donald L.
See John A. Roberson, HY12:Dec 71:2106:8552

Bendixen, Thomas W.
See Robert M. Clark, SA1:Feb 71:33:7875

Benedict, Barry A.
Dsc, SA1:Feb 71:112:7865, of "Predicting Effects of Dead Zones on Stream Mixing", SA2:Apr 70:319: 7218
Dsc, with Bent A. Christensen, WW1:Feb 71:213: 7868, of "Self-Stabilizing Tendencies of Alluvial Channels", WW2:May 70:235:7263
Dsc, SA4:Aug 71:537:8269, of "Heated Discharge from Flume into Tank", SA6:Dec 70:1415:7762
See Edward M. Polk, Jr., HY10:Oct 71:1639:8446

Benedict, Corey
See Royal H. Brooks, IR3:Sept 71:455:8389

Benjamin, Jack R.
See Joseph I. Folayan, SM4:July 70:1127:7390

Benjamin, Neal B. H.
Impact of Weather on Construction Planning, with Charles S. Davis, Preprint No.1551, Oct 71
Dsc, CO1:June 70:91:7308, of "OPBID: Competitive Bidding Strategy Model", CO1:July 69:85:6690

Bennett, Fred
Dsc, CE:Jan 71:67, on New Paving Concept for Newark Airport, CE:Sept 70:95

Bennett, J. Robert
See George N. Bower, Preprint No.1496, July 71

XUM

Bennett, James P.
Dsc, HY9:Sept 71:1533:8345, of "Indeterminate Hydraulics of Alluvial Channels", HY11:Nov 70: 2309:7696
See Erich J. Plate, EM6:Dec 69:1307:6955

Bennett, Ray S.
See Gaylord V. Skogerboe, HY2:Feb 71:362:7863
See Lloyd H. Austin, IR3:Sept 71:433:8366

Benson, Barrett E.
See John T. O'Connor, SA6:Dec 70:1335:7740

Benton, Walter B.
Select Reservoir Withdrawal by Multilevel Intakes, with William J. Wall and Shelton R. McKeever, PO1:Jan 70:109:7029
TR:136:409

Benton, William H.
See William F. Hill, Jr., NSCD:pp.223-243, 1971
See William F. Hill, Jr., SA5:Oct 71:601:8423

Benveniste, Jacques E.
See David H. Cheng, ST12:Dec 71:2928:8557

Benzies, J. Y.
Graphical Method for Finding All Roots of Quadratic and Cubic Equations, CE:Jan 71:53
Dsc: Graphic Solution of Quadratic Equations, Max Kurtz, CE:Apr 71:65; Solving Quadratics on a Slide Rule, Park K. Chen, CE:Sept 71:72
Errata: Corrections, Max Kurtz, CE:Aug 71:63

Ben-Zvi, Arie
Dsc, HY12:Dec 70:2628:7711, of "Laminar and Turbulent Overland Flow Hydrographs", HY2:Feb 70:441:7069

Berg, Gerald
Integrated Approach to Problem of Viruses in Water, SA6:Dec 71:867:8590
An Integrated Approach to the Problem of Viruses in Water, NSCD:pp.339-364, 1971

Berger, Bernard B.
Current Perspectives in Disinfection, NSCD:pp.1-10, 1971
Engineering Evaluation of Virus Hazard in Water, by the Committee on Environmental Quality Management of the Sanitary Engineering Division, SA1:Feb 70:111:7112
Dsc: Francois A. Van Duuren, SA5:Jan 70:1286: 7569
TR:136:1064
Social and Ecological Implications of Proposals for Out-of-Basin River Diversions, PP1:Oct 71:95:8481

Bergh, Sverre E.
Infrastructure Planning: Force Behind Port of Rotterdam's Growth, CE:May 71:79

Berghinz, Carlo
Venice is Sinking into the Sea, CE:Mar 71:67
Dsc: Submerging City, Sterling McKihrick, CE: Mar 71:52

Bergstrom, Richard N.
Seismic Analysis of Nuclear Power Plant Structures, with Shih-Lung Chu and Robert J. Small, PO2:Mar 71:367:7977
Dsc: Melvin W. Jackson, PO4:Dec 71:888:8554

Berk, Ralph G.
Disposal Well Problems in Chicago and Bakersfield Areas, Preprint No.1302, Jan 71
Disposal Well Problems in Chicago and Bakersfield Areas, SA5:Oct 71:675:8405

Berlamont, Jean
See Marc DeSomer, HY12:Dec 70:2638:7711

Bernard, Michael C.
Buckling of Columns with Random Initial Displacements, with John L. Bogdanoff, EM3:June 71:755:8194

Berry, George T.
Power Generation Under IJC Regulation, PO2:Nov 68:217:6257
TR:136:620

Bertero, Vitelmo V.
See James C. Anderson, ST6:June 70:1246:7314

Berthouex, Paul M.
Design Capacities to Accommodate Forecast Uncertainties, with Lawrence B. Polkowski, SA5: Oct 70:1183:7633
Errata: SA5:Oct 71:766:8409
TR:136:1180
Monte Carlo Simulation of Industrial Waste Discharges, with Linfield C. Brown, SA5:Oct 69: 887:6836
TR:136:318
Problems Associated with Planning BOD Experiments, with William G. Hunter, SA3:June 71:333:8202
Dsc: Veerasamy Kothandaraman, SA6:Dec 71: 951:8555
Statistical Experimental Design: BOD Tests, with William G. Hunter, SA4:Aug 71:393:8286

Bettigole, Neal H.
Dsc, CE:June 70:46, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Bhamidipaty, Suryanarayana
Laboratory Study of Degradation and Aggradation, with Hsieh W. Shen, WW4:Nov 71:615:8493

Bhasin, Rakhishwar N.
Dsc, SM6:Nov 69:1574:6894, of "Controlled Gradient Consolidation Test", SM1:Jan 69:77:6327
Dsc, HY9:Sept 70:1918:7497, of "Erodibility of Channels With Cohesive Boundary", HY3:Mar 70: 755:7156

Bhaskaran, Ravikumar
Dsc, SM1:Jan 71:249:7785, of "Undrained Strength of Anisotropically Consolidated Sand", SM2:Mar 70:411:7136
Dsc, SM3:Mar 71:584:7943, of "In Situ Strength of Rolled and Hydraulic Fill", SM3:May 70:881:7273
Dsc, SM8:Aug 71:1128:8270, of "Strength of Anisotropically Consolidated Compacted Clay", SM6:Nov 70:2025:7703
Dsc, SM10:Oct 71:1503:8410, of "Undrained Strength of Compacted Clay", SM1:Jan 71:219: 7833

Bhaumik, Anjan K.
See Jeremy Isenberg, EM3:June 71:901:8207

Bhave, Pramod R.
Chart for Classification of Flow Profiles in Wide Rectangular Channels, CE:July 70:62
Dsc: Herman J. Koloseus, CE:Nov 70:61
Errata: CE:Nov 70:61
TR:136:552

Bhayani, Kiran L.
See Calvin P.C. Poon, SA2:Apr 71:161:8020

Bhowmik, Nani G.
Dsc, HY7:July 70:1641:7384, of "Fluctuating Pressures in Spillway Stilling Basins", HY6:Nov 69: 2071:6915
Dsc, HY7:July 70:1647:7384, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY2:Feb 71:364:7863, of "Open Channel Expansions Fitted with Local Hump", HY5:May 70:1105:7257

Bhuiya, Rezaul Karim
Stochastic Analysis of Periodic Hydrologic Process, HY7:July 71:949:8242
Dsc, HY2:Feb 71:360:7863, of "Risks in Hydrologic Design of Engineering Projects", HY4:Apr 70:959:7229

Bibby, Robert
Mathematical Model of Leaky Aquifer, with Daniel K. Sunada, IR3:Sept 71:387:8350

Bidde, Devidas D.
Laboratory Study of Lift Forces on Circular Piles, WW4:Nov 71:595:8495

Bielak, Jacobo
Base Moment for a Class of Linear Systems, EM5:Oct 69:1053:6810
TR:136:277

Biesel, Francis
Probabilistic Aspects of Seiche Action on Ships, BMS:pp.27-47, 1971
Use of Models for the Study of the Behavior of Moored Ships, BMS:pp.136-138, 1971
Dsc: Fernando Vasco Costa, BMS:p.139; Fernando Vasco Costa, BMS:pp.143-144, 1971; Francis Biesel, BMS:p.145, 1971
Dsc, BMS:p.145, 1971, of "Use of Models for the Study of the Behavior of Moored Ships", BMS:pp.136-138, 1971

Biggs, John M.
Integrated System For RC Building Design, with Peter J. Pahl and Harry N. Wenke, ST1:Jan 71:13:7816
Dsc: Surendra K. Goel, ST11:Nov 71:2759:8485

Bigler, Alexander B.
Integrating the Planning and Management of Metropolitan Water Resources into a Regional Context, UWRM:p.81, 1971

Bijker, Eco W.
Longshore Transport Computations, WW4:Nov 71:687:8546

Binger, Wilson V.
Dsc, CE:Apr 71:41, on Population and People, CE:Dec 70:27

Birdsall, Blair
Main Cables of Newport Suspension Bridge, ST12:Dec 71:2825:8606

Birkeland, Halvard W.
Dsc, CE:July 70:57, on Long Prestressed Piles, CE:Apr 70:50

Birkemoe, Peter C.
Bolted Galvanized Bridges-Engineering Acceptance Near, with D. C. Herrschaft, CE:Apr 70:42
TR:136:326
Fatigue of A514 Steel in Bolted Connections, with Donald F. Meinheit and William H. Munse, ST10:Oct 69:2011:6811
Errata: ST6:Sept 70:68:7567
TR:136:255
Fatigue of Bolted High Strength Structural Steel, with Ramachandran Srinivasan, ST3:Mar 71:935:7997

Birnstiel, Charles
See Gunnar A. Harstead, ST10:Oct 68:2371:6173
See Ronald J. Alvarez, ST11:Nov 69:2477:6922
See John J. Jonatowski, ST6:June 70:1143:7364
See John J. Jonatowski, ST12:Dec 71:2895:8557

Bishara, Alfred
Concrete Beams with Prestressed Reinforcement, with Filomeno N. Almeida, ST7:July 70:1445:7411
Dsc: Jehangir F. Mirza and Paul Zia, ST2:Feb 71:737:7867
Clo: ST11:Nov 71:2755:8485
TR:136:1319

Bishara, Alfred G.
Continuous Beams With Prestressed Reinforcement, with George E. Mason and Filomeno N. Almeida, ST9:Sept 71:2261:8387
Reinforced Concrete Rectangular Columns in Torsion, with Jong-Cherng Peir, ST12:Dec 68:2913:6305
Clo: ST3:Mar 71:953:7944
TR:136:29

Bishop, A. Alvin
See S. Abdollah Jenab, IR3:Sept 69:361:6768
See I-pai Wu, IR3:Sept 70:223:7506

Bishop, A. Bruce
Water Reuse Systems Analysis, with David W. Hendricks, SA1:Feb 71:41:7898
Dsc: David H. Marks and Guy Leclerc, HY4:Aug 71:541:8269; Lucien Duckstein and Chester C. Kisiel, SA6:Dec 71:939:8555

Bissell, Robert B.
See Charles L. Armentrout, HY2:Feb 70:307:7052

Biswas, A. N.
Dsc, with K. K. Bandyopadhyay, HY1:Jan 71:175:7783, of "River Channel Patterns", HY1:Jan 70:201:7038
Dsc, with A. Sen, HY5:May 71:747:8081, of "Nonequilibrium Transport of Suspended Sediment", HY7:July 70:1567:7430
Dsc, WW2:May 71:431:8086, of "Potamology Data Collection on Lower Mississippi River", WW3:Aug 70:601:7466

Biswas, Asit K.
Social Consequences and Water Resources Planning and Development, with Robert W. Durie, Preprint No.1343, Jan 71

Biswas, Asit V.
Dsc, CE:June 71:40, on Model Law to Improve Dam Safety, CE:Mar 71:53

Biswas, J. K.
Dsc, with Wai K. Tso, ST11:Nov 70:2540:7644, of "Lateral-Load Analysis of Asymmetric Multistory Structures", ST2:Feb 70:317:7089

Black, A. P.
See Riley N. Kinman, 4NSCD:pp.11-35, 1971

Black, Jared L.
Dsc, WW2:May 71:440:8086, of "Wave Attenuation by Porous Walled Breakwater", WW3:Aug 70:643:7468

Blackburn, Robert D.
Biological Control of Aquatic Weeds, with David L. Sutton and Thomas Taylor, IR3:Sept 71:421:8362

Blackwell, Larry G.
Dsc, SA1:Feb 71:105:7865, of "Response of Activated Sludge to Organic Transient Loadings", SA2:Apr 70:333:7205

Blain, Wilber A.
Dsc, SA5:Oct 69:956:6802, of "Evaluation of Nitrification in Streams", SA5:Oct 68:883:6159

Blaisdell, Fred W.
Dsc, IR2:June 71:325:8156, of "Irrigation Channel Structures, Victoria, Australia", IR2:June 70:131:7371

XUM

Blanchard, Bruce J.
See Donn G. DeCoursey, HY7:July 70:1435:7405

Blaze, James Robert
Restructuring Freight Transportation in Chicago, Preprint No.1441, July 71

Blench, Thomas
Principles of River Bed Adjustment, Preprint No.1513, July 71
Regime Theory Design of Canals with Sand Beds, IR2:June 70:205:7381
Errata: IR3:Sept 71:532:8346
TR:136:1001
Dsc, HY4:Apr 70:1057:7189, of "Friction-Factors for Flat-Bed Flows in Sand Channels", HY4:July 69:1227:6678
Dsc, HY10:Oct 70:2126:7568, of "Similarity in Unlined Irrigation Canal Systems", HY1:Jan 70:13:6993
Dsc, HY12:Dec 70:2659:7711, of "Erodibility of Channels With Cohesive Boundary", HY3:Mar 70:755:7156
Dsc, HY11:Nov 71:1908:8483, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786
See Richard H. Cooper, Preprint No.1335, Jan 71

Blesso, Francis J.
HUD Sewer Policy in Urban Renewal Areas, Preprint No.1535, Oct 71

Blight, Geoffrey E.
Flow of Air Through Soils, SM4:Apr 71:607:8026
In Situ Strength of Rolled and Hydraulic Fill, SM3:May 70:881:7273
Dsc: Carl-Eric R. Wiesel, SM2:Feb 71:483:7866; Ravikumar Bhaskaran, SM3:Mar 71:584:7943
Clo: SM10:Oct 71:1485:8410
TR:136:1300

Blinco, Paul H.
See Robert P. Apmann, WW3:Aug 69:319:6724
See Emmanuel Partheniades, HY1:Jan 70:272:6988

Bluestein, Jeffrey L.
Rational Design of Light Gage Beams, with Atle Gjelsvik, ST7:July 70:1535:7421
Dsc: Wei-Wen Yu, ST12:Dec 70:2675:7714; Bandhuvula V. Subrahmanyam, ST3:Mar 71:1007:7944; Kothapalli Ramaiah Venkataramaiah and John Roorda, ST4:Apr 71:1376:8015; Shien Tsun Wang, ST5:May 71:1639:8084
Clo: ST12:Dec 71:2884:8557

Blume, John A.
Building Columns under Strong Earthquake Exposure, ST9:Sept 71:2351:8398

Blyskowski, A. H.
Dsc, HY9:Sept 71:1565:8345, of "Flood Regulation by Columbia Treaty Projects", HY1:Jan 71:143:7798

Board of Direction,ASCE, Alfred
ASCE'S Response to the Spencer Proposals, CE:Aug 70:46
TR:136:613

Bobisch, William J.
Material Safety Requirements of Hyperbaric Facilities, with Michael Yachnis, Preprint No.1357, Apr 71

Bock, R. W.
See Fred C. Walker, Preprint No.1339, Jan 71

Bodig, Jozsef
See James R. Goodman, ST11:Nov 70:2301:7682
See Adam M.A. Al-Dabbagh, Preprint No.1389, Apr 71

Bodner, Richard M.
Optimal Routing of Refuse Collection Vehicles, with E. Alan Cassell and J. Peter Andros, SA4:Aug 70:893:7451
Dsc: Robert P. Stearns, SA6:Dec 70:1469:7713; David H. Marks and Jon C. Liebman, SA1:Feb 71:130:7865
Clo: SA5:Oct 71:764:8409
TR:139:1274

Boehler, J. P.
Dsc, with Jean-Pierre Giroud and Jean-Pierre Obin, SM10:Oct 71:1493:8410, of "Bearing Capacity of Footings on Anisotropic Soils", SM6:Nov 70:1967:7677

Boehmer, Jan Willem
See John T. Christian, SM4:July 70:1435:7437

Bogan, Richard H.
See Charles R. Ott, SA2:Apr 70:455:7233
See Charles R. Ott, SA1:Feb 71:1:7879

Bogdanoff, John L.
See Michael C. Bernard, EM3:June 71:755:8194

Bohan, Joseph P.
Mechanics of Stratified Flow Through Orifices, with John L. Grace, HY12:Dec 70:2401:7757
Dsc: Danny L. King and Perry L. Johnson, HY9:Sept 71:1535:8345

Boitano, Joseph D.
See Carl E. Basore, SM6:Nov 69:1303:6892
See Carl E. Basore, PISST:pp.203-224, 1971

Bolch, W. Emmett
See William A. Goldsmith, SA5:Oct 70:1115:7611

Bolognesi, Arnoldo J. L.
Dsc, SM6:Nov 70:2155:7643, of "Tests on Instrumented Piles, Ogeechee River Site", SM2:Mar 70:561:7170
Dsc, SM4:Apr 71:702:8014, of "Nonlinear Analysis of Stress and Strain in Soils", SM5:Sept 70:1629:7513
See Carlos A. Micucci, 4PCSM:pp.307-317, 1971

Bolognesi, Arnolds J.L.
See O. A. Varde, 4PCSM:pp.179-187, 1971

Bonton, R. Brian
See Kenneth W. Heathington, PP1:Oct 71:65:8457

Booker, John R.
Torsion of Multilayered Rectangular Section, with Sritawat Kitipornchai, EM5:Oct 71:1451:8415

Boominathan, S.
Dsc, SM3:May 70:1049:7249, of "Settlement of Building on Deep Compressible Soil", SM3:May 69:769:6547

Boon, J. D., III
See W. Harrison, 12CEC:pp.1201-1222, 1971

Boresi, Arthur P.
See Henry L. Langhaar, EM5:Oct 70:753:7635

Borg, Robert F.
Dsc, CE:July 71:40, on Engineering and Society: A Contemporary Challenge, CE:Feb 71:51

Borgman, Leon Emry
Maximum Wave Height Probabilities for a Random Number of Random Intensity Storms, 12CEC:pp.53-64, 1971
Ocean Wave Simulation for Engineering Design, WW4:Nov 69:557:6925
TR:136:1213
See N. N. Panicker, 12CEC:pp.117-136, 1971
See Shou-shan Fan, 12CEC:pp.473-487, 1971

Botch, Philip M.
Historical Heritage Preservation Through Renewal, with Marcia Wagoner, Preprint No.1556, Oct 71

Bottoms, Eric E.
Economic Location of Locks, TE1:Feb 69:77:6397
Dsc: Alan R. Chandler, TE4:Nov 69:700:6868; John J. Franco, TE4:Nov 69:700:6868; Herbert D. Vogel, TE4:Nov 69:704:6868; Carl H. Gaum, TE1:Feb 70:117:7048; Edmund H. Lang, TE1: Feb 70:119:7048; John P. Davis, TE1:Feb 70: 121:7048; Marvin J. Barloon, TE2:May 70:244: 7251; M. I. Foster, TE3:Aug 71:576:8268
Dsc, WW1:Feb 70:161:7049, of "Tonnage Capacity of Locks", WW2:May 69:201:6577

Boughton, Neville O.
Elastic Analysis for Behavior of Rockfill, SM5:Sept 70:1715:7532
TR:136:1042

Boulware, Robert L.
California Seals Salt-Damaged Bridge Decks, with Arthur L. Elliott, CE:Oct 71:42

Bouwer, Herman
Agricultural and Urban Waste Water Reuse, with Russell F. Mann, Preprint No.1347, Jan 71
Ground Water Recharge Design for Renovating Waste Water, SA1:Feb 70:59:7096
TR:136:468

Bouwkamp, Jack G.
See Alexander C. Scordelis, ST1:Jan 70:65:7016

Bower, George N.
Systematic Analysis of Airport Congestion as a Constraint on Air Travel, with J. Robert Bennett, Preprint No.1496, July 71

Bower, John E.
Suggested Design Guides for Beams with Web Holes, by the Subcommittee on Beams with Web Openings of the Task Committee on Flexural Members of the Structural Division, ST11:Nov 71:2707:8536

Bowering, R. J.
See J. William Kamphuis, 12CEC:pp.575-588, 1971

Bowers, C. Edward
Fluctuating Pressures in Spillway Stilling Basins, with Frank Y. Tsai, HY6:Nov 69:2071:6915
Dsc: Eric J. Lesleighter, HY6:June 70:1369:7310; M. H. Abdul Khader, HY7:July 70:1640:7384; Nani G. Bhowmik, HY7:July 70:1641:7384; Carl J. Huval and Frank M. Neilson, HY8:Aug 70:1754:7439
Clo: HY3:Mar 71:454:7940
TR:136:322

Boyd, D. E.
See Tung D. Lin, EM3:June 71:829:8206

Boyer, LeRoy T.
Experiences with Interactive Computing System, with John C. Casson, ST1:Jan 71:289:7853
See Richard N. Wright, ST1:Jan 71:481:7856

Boyko, Boris I.
See Keith L. Murphy, SA2:Apr 70:211:7200

Boyle, William C.
See C. Robert Baillod, SA2:Apr 70:525:7239

Boyne, Grahame G.
Dsc, SA6:Dec 71:945:8555, of "Optimization in Design of Hydraulic Network", SA2:Apr 71:141: 8032

Braaksma, John P.
Improving Airport Gate Usage with Critical Path, with John H. Shortreed, TE2:May 71:187:8090

Bracy, Lynwood R.
See Yin-Chao Yen, EM5:Oct 70:641:7607

Bradley, Richard A.
Shearing Effects On Settling of Activated Sludge, with Ray B. Krone, SA1:Feb 71:59:7926
Dsc: P. Aarne Vesilind, SA4:Aug 71:544:8269; Mushti Narayana Rao, SA5:Oct 71:781:8409; Yerachmiel Argaman, SA5:Oct 71:783:8409; Richard I. Dick, SA6:Dec 71:942:8555

Brady, Derek K.
See Loren D. Jensen, PO1:Jan 71:209:7802

Brakey, Bud A.
Upgrading Overseas Construction Contracts, CE:Dec 70:48
TR:136:1216

Brand, Daniel
Demand Responsive Transportation Systems, UTI: pp.327-365, 1971
General Introduction, UTI:pp.5-7, 1971
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Brand, Ronald S.
See E. Harry Law, Preprint No.1427, July 71

Brandes, Robert J.
See Frank D. Masch, 12CEC:pp.2031-2050, 1971

Brandt, C. T.
Impending Improvements in Soft Ground Tunneling, Preprint No.1509, July 71

Bransby, Peter L.
Dsc, SM3:May 70:1061:7249, of "Model Study of Passive Pressure in Sand", SM4:July 69:969:6655
See W. D. Liam Finn, SM6:Nov 70:1917:7670
See W. D. Liam Finn, SM4:Apr 71:639:8039

Branson, Dan E.
Dsc, ST12:Dec 71:2907:8557, of "Finite Element Analysis of Reinforced Concrete Slabs", ST3:Mar 71:785:7963

Brant, Austin E., Jr.
Evaluation of Airfield Performance by Simulation, with Patrick J. McAward, Jr., Preprint No.1486, July 71
Urban Transportation Needs: Problems and Solutions, with Dana E. Low and Gerald P. Shea, 1971
See Daniel S. Horgan, Preprint No.1494, July 71

Brashear, H. R.
Processing and Analysis of Radioisotopic Sand Tracer (RIST) Study Data, with E. H. Acree, F. N. Case, P. A. Turner and David B. Duane, 12CEC: pp.821-830, 1971
See E. H. Acree, 12CEC:pp.815-820, 1971

Brasier, R. I.
See L. P. Reinig, Preprint No.1304, Jan 71

Bray, Dale I.
See Rolf Kellerhals, HY8:Aug 71:1165:8279

Bray, Don E.
Noise Environments in Public Transportation, Preprint No.1469, July 71

Bray, Oscar S.
ASCE and Social Issues, CE:May 71:58
Dsc: Mekong River Development, Warren E. Howland, CE:Sept 71:93; Robert A. May, CE: Dec 71:42
ASCE's New President Outlines a Suggested Course, CE:Dec 71:38
Breaking New Ground, PP1:Oct 71:1:8473

XUM

One Man's View of Registration Today, PP1:July 69: 1:6653
Dsc: Murray I. Mantell, PP1:Sept 70:144:7549; Philip D. Roos, PP1:Sept 70:145:7549; Cornelius Wandmacher, PP1:Sept 70:148:7549
Clo: PP1:Oct 71:225:8408
TR:136:126

Brebbia, Carlos
Geometrically Nonlinear Finite-Element Analysis, with Jerome J. Connor, EM2:Apr 69:463:6516
TR:136:731

Brebner, A.
See P. D. Treloar, 12CEC:pp.257-267, 1971

Brechting, Frank J., Jr.
Prestressed Concrete for County Bridge Solves Maintenance Problems, CE:June 70:74
Errata: CE:Oct 70:66
TR:136:562

Breen, John E.
See Dong W. Lee, Preprint No.1411, Apr 71

Breitenbach, E. Allen
See Willem F. Brutsaert, IR3:Sept 71:405:8376

Brenman, Harry
Environmental Considerations in Design of Transmission Lines, with Dwight A. Covington, PO3:June 70:369:7350
TR:136:1152

Brennan, Paul J.
See James A. Mandel, ST7:July 71:1947:8260

Brenner, Raymond M.
Plastic Relining of Small-Diameter Pipes, SA2:Apr 70:297:7216
TR:136:549

Brensers, D. Shankarachar
Dsc, with T. R. Chandrasekhara, HY8:Aug 70:1747: 7439, of "Local Scour Around Bridge Piers", HY6: Nov 69:1919:6891

Breth, Herbert
See Thomas Kluber, SM11:Nov 71:1609:8484

Breuning, Siegfried M.
Measuring and Interpreting Consumer Preferences, UTI:pp.307-323, 1971

Breusers, Herman N. C.
See Alan T. Roper, HY7:July 70:1636:7384

Brewer, John H.
See Leonard J. Langfelder, SM3:May 70:1081:7249

Brezenski, Francis T.
Estuary Water Quality and Salmonella, NSCD: pp.481-493, 1971

Brezonik, Patrick L.
Activated Sludge ATP: Effects of Environmental Stress, with James W. Patterson, SA6:Dec 71:813: 8581
Chemistry of N and Mn in Cox Hollow Lake, Wis., Following Destratification, with Joseph J. Delfino and G. Fred Lee, SA5:Oct 69:929:6850
Errata: SA4:Aug 70:1012:7441
TR:136:790

Bridgefarmer, J. C.
See R. Wolchuk, CE:Apr 70:71

Bright, Thomas R.
Service Volumes for Functional Classification, TE4: Nov 70:561:7671
Errata: TE4:Nov 71:714:8486
TR:136:1189

Brill, Earl D., Jr.
See Jon C. Liebman, SA5:Oct 71:786:8409

Brinkman, E. A.
Planning Industrial Areas for Barge Ports, with George F. West, Preprint No.1566, Oct 71

Bristok, John D.
Dsc, CO1:Mar 71:167:7939, of "Construction Expediting", CO1:June 70:19:7356

Bristor, John D.
Dsc, CO1:June 70:86:7308, of "Project Planning Game for Foundation Excavation", CO1:July 69:11: 6646
Dsc, PP1:Sept 70:151:7549, of "Civil Engineering Management in Public Practice", PP1:July 69:23: 6662
Dsc, PP1:Sept 70:153:7549, of "Position Paper on Civil Engineering Education, by the ASCE Committee on Engineering Education", PP1:July 69:29:6671
Dsc, ST9:Sept 70:1979:7567, of "Structural Timber Research at Forest Products Lab", ST12:Dec 69: 2891:6980
Dsc, PP1:Oct 71:231:8408, of "Guide for Public Agency Professional Development", PP1:Sept 70: 55:7553
Dsc, with Howard L. Underberger, CO2:Nov 71:337: 8482, of "Report on Recommended Amendments to AIA General Conditions (A-201), Eleventh Edition, September, 1967, by the Committee on Contract Administration of the Construction Division", CO2:Oct 70:165:7640

Broberg, Richard F.
Dsc, TE2:May 70:248:7251, of "Terminal Access and the Choice of Intercity Modes", TE3:Aug 69:463: 6731
Dsc, TE4:Nov 70:654:7642, of "Interceptor Drains in Heavy Clay Soils", TE1:Feb 70:1:7066

Brock, Richard R.
Periodic Permanent Roll Waves, HY12:Dec 70:2565: 7764
Dsc: V. S. Sampath, HY8:Aug 71:1251:8267
Power Law Solutions for Vertical Plumes, HY9:Sept 70:1803:7523
Dsc: U. Mohan Rao, HY4:Apr 71:629:8012
Clo: HY11:Nov 71:1900:8483

Brockenbrough, Roger L
Criteria for Heat Curving Steel Beams and Girders, ST10:Oct 70:2209:7638
TR:136:1058
Experimental Stresses and Strains from Heat Curving, with Kenneth D. Ives, ST7:July 70:1305: 7400
TR:136:989
Theoretical Stresses and Strains from Heat Curving, ST7:July 70:1421:7410
TR:136:1005

Brodfeld, Bruno
See Ralph W. Gunwaldsen, PO4:Dec 71:767:8572

Broms, Bengt B.
Shear Strength of Reinforced Concrete Beams, ST6: June 69:1339:6636
Dsc: Ake Holmberg, ST12:Dec 69:3003:6932; A. R. Santhakumar, ST4:Apr 70:846:7191
Clo: ST12:Dec 70:1655:7714
TR:136:148

Bromwell, Leslie G.
Recording Inclinometer for Measuring Soil Movement, with Christopher R. Ryan and William E. Toth, 4PCSM:pp.333-343, 1971

Bronzini, Michael S.
See Joseph L. Carroll, TE3:Aug 71:527:8311

Brooks, Norman H.
Selective Withdrawal from Density-Stratified Reservoirs, with Robert C.Y. Koh, HY4:July 69: 1369:6702
Dsc: Timothy W. Kao, HY4:Apr 70:1068:7189; Walter O. Wunderlich and Rex A. Elder, HY5: May 70:1207:7248
Clo: HY12:Dec 70:2614:7711
TR:136:101
See Svein Vigander, HY2:Feb 70:509:7085

Brooks, Royal H.
Drainage of Soil Profiles, with Corey Benedict, Gilbert L. Corey and Arthur T. Cores, IR3:Sept 71: 455:8389

Broome, Kenneth R.
Floating Dry Docks for Ship Launching, . with William S. Gaither, WW1:Feb 70:121:7110
TR:136:831

Brosh, Aviel
See Michael Poreh, HY4:Apr 70:903:7208

Brotchie, John F.
Water Resources Planning Model, TN: HY10:Oct 71: 1801:8413

Brotton, Derick M.
See David Johnson, ST12:Dec 69:2589:6938

Broughton, Peter
See James F. Dickie, EM3:June 71:951:8217

Brown, C. B.
Subjective Uncertainty Analysis, with R. S. Leonard, Preprint No.1388, Apr 71

Brown, Carey H.
See John M. Hayes, CE:Dec 71:63

Brown, Dan M.
See Karl L. Reichelt, ST1:Jan 71:237:7836

Brown, Daniel H.
Dsc, CE:Mar 71:52, on Dsc, Automobile Exhaust Pollu, Dsc, CE:Nov 70:36

Brown, Donald N.
Flexible Pavement for Tomorrow's Major Airports, with George M. Hammitt, II and Donald M. Ladd, TE4:Nov 69:617:6874
TR:136:223

Brown, Edwin T.
Strength of a Model of Jointed Rock, with D. Hugh Trollope, SM2:Mar 70:685:7185
Errata: SM1:Jan 71:257:7785
TR:136:882
Strength of Models of Rock with Intermittent Joints, SM6:Nov 70:1935:7697
TR:136:1280

Brown, F. Stewart
Waste Heat Disposal from Power Generating Stations, PO3:June 70:277:7317
TR:136:982

Brown, Gilbert L.
Rock Stabilization at Morrow Point Power Plant, with Ernest D. Morgan and Jerry S. Dodd, SM1: Jan 71:119:7820

Brown, H. G.
Pollution Potential of Sediments, with W. J. Keffer, Preprint No.1544, Oct 71

Brown, Harry E.
Evaluating Watershed Management Alternativee, IR1:Mar 71:93:7952
Dsc: Chester C. Kisiel, IR4:Dec 71:654:8553; V. V. N. Murty, IR4:Dec 71:655:8553
Status of Pilot Watershed Studies in Arizona, IR1: Mar 70:11:7129
Errata: IR1:Mar 71:217:7941
TR:136:452

Brown, James C.
Physical Behavior of Flocculent Suspensions in Upflow, with Enrique LaMotta, SA2:Apr 71:209: 8054
Dsc: Anton A. Kalinske, SA5:Oct 71:792:8409; Denny S. Parker, SA5:Oct 71:793:8409; Wolfgang Merkel, SA5:Oct 71:795:8409; S. D. Shangarpawar and S. M. Dhabadgaonkar, SA6: Dec 71:948:8555

Brown, John F.
Environmental Aspects of Airport System Planning, TE4:Nov 70:543:7674
TR:136:1284

Brown, Karl B.
See George J. Mim Mack, CE:May 71:39

Brown, Linfield C.
See Paul M. Berthouex, SA5:Oct 69:887:6836

Brown, Peter T.
See Nicholas S. Trahair, ST8:Aug 70:1817:7442

Brown, Ralph D., Jr.
Planning's Role in Standards for Future Highways, TE2:May 71:227:8129

Brown, Thomas L.
Dsc, with William H. Sammons, HY1:Jan 71:182: 7783, of "Flood Peaks from Small Southwest Range Watershed", HY3:Mar 70:773:7161

Browne, James J.
Operational Planning of Airport Facilities, with Rogers Lui and Ravinder Nanda, Preprint No.1495, July 71

Browzin, Boris S.
Dsc, with Gary H. Collison, SM1:Jan 71:250:7785, of "Bearing Capacity of Foundation on Sand", SM2: Mar 70:545:7158

Bruce, John A.
Modern Applications of Traffic Control Devices, TE1:Feb 71:153:7906

Bruch, John C., Jr.
Capillarity and Seepage from an Array of Channels, EM6:Dec 69:1403:6972
Clo: EM5:Oct 70:792:7574
TR:136:446

Brudeseth, J. T.
See Donald L. Woods, TE4:Nov 69:659:6896

Bruegging, Jerry J.
See Henry L. Langhaar, EM5:Oct 70:753:7635

Brunn, Per M.
Use of Volcanoes for Determination of Direction of Littoral Drift, with Gisli Viggosson, 12CEC:pp.935-953, 1971

Brunner, Dirk R.
Virus Inactivation During Phosphate Precipitation, with Otis J. Sproul, SA2:Apr 70:365:7220
Dsc: Malay Chaudhuri, David H. Foster and Richard S. Engelbrecht, SA1:Feb 71:118:7865
Clo: SA5:Oct 71:758:8409
TR:136:1253

Bruschin, Jacques
Dsc, HY2:Feb 71:372:7863, of "Sedimentation Engineering, Chapter IV: Sediment Sources and Sediment Yields, Task Committee on Preparation of Manual on Sedimentation", HY6:June 70:1283: 7337

XUM

Brustkern, Richard L.
Analytical Treatment of Two-Phase Infiltration, with Hubert J. Morel-Seytoux, HY12:Dec 70:2535:7743 TR:136:1316

Brutsaert, Wilfried
See Rameshwar D. Verma, HY6:June 70:1331:7363
See Rameshwar D. Verma, HY8:Aug 71:1213:8337
See Rameshwar D. Verma, HY9:Sept 71:1493:8397

Brutsaert, Willem F.
Computer Analysis of Free Surface Well Flow, with E. Allen Breitenbach and Daniel K. Sunada, IR3: Sept 71:405:8376
De Saint-Venant Equations Experimentally Verified, HY9:Sept 71:1387:8378

Bryant, A. H.
Cylindrical Shell Roofs with Draped Prestressing, with J. C. Scrivener, ST4:Apr 71:611:6496 TR:136:1083

Bryant, Edward A.
Dsc, CE:May 71:78, on The Alternative to Unionism, CE:Feb 71:43

Buchanan, George R.
Two-Dimensional Cable Analysis, ST7:July 70:1581: 7436
Dsc: Frederic T. Mavis, ST12:Dec 70:2679:7714
Clo: ST7:July 71:2020:8225
TR:136:1021

Bucher, F.
See W. Liam D. Liam, SM5:May 71:808:8083

Buchert, Kenneth P.
Shell-Like Structures, Preprint No.1287, Jan 71
See James O. Crooker, ST3:Mar 70:687:7180

Buckle, Ian G.
See Graham H. Powell, ST9:Sept 69:1953:6796

Buckner, R. B.
A New Philosophy on Preservation of Survey Evidence, SU2:Sept 70:213:7540
Errata: SU1:May 71:148:8085
TR:136:925

Buehler, John P.
Dsc, IR4:Dec 69:609:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401: 6281

Bugliarello, George
Prospectives in Bioengineering Research for Civil Engineers, PP1:Oct 71:83:8461
See Andrew K.C. Wong, EM6:Dec 70:1239:7779

Buick, Thomas R.
See Salim S. Hejal, TE2:Feb 71:1:7877

Bulgarelli, Giorgio M.
Renewal of Old Centers: A Research Project for Italy, with Sergio Roberti and Mario Salsano, Preprint No.1539, Oct 71

Bullen, A. G. R.
Strategies for Practical Expressway Control, Preprint No.1484, July 71

Bulsari, Bakul S.
Dsc, with Manhar C. Thakkar, ST8:Aug 70:1835: 7442, of "Optimum Elastic Design of Redundant Trusses", ST12:Dec 69:2589:6938

Bunch, James E.
Mission of U.S. Lake Survey, SU2:Sept 70:181:7527 TR:136:946

Bunch, James W.
Beach Nourishment at Virginia Beach, Virginia, 12CEC:pp.967-973, 1971

Bunch, Thomas
Coordination of Mobile-Bed Hydraulics, HY6:Nov 69:1871:6884
Dsc: Thomas Maddock, Jr., HY6:June 70:1364: 7310; Richard H. Cooper and Allan W. Peterson, HY9:Sept 70:1880:7497; Gerald Lacey, HY9:Sept 70:1886:7497
Clo: HY2:Feb 71:341:7863
TR:136:837

Bunk, David M.
See John B. Ciani, SU2:Nov 71:149:8496

Bunting, P. M.
See J. C. McPherson, Preprint No.1438, July 71

Burchinal, Jerry C.
See Syed R. Qasim, SA1:Feb 70:49:7078

Burco, Robert A.
Systems Innovations for Urban Transportation, with Clark D. Handerson, TE2:May 71:205:8126

Burdette, Edwin G.
Behavior of Laterally Reinforced Concrete ColumnF, with Hubert K. Hilsdorf, ST2:Feb 71:587:7905
Dsc: Satyendra K. Ghosh, ST:July 71:2032:8225; V. Malakonda Reddy, K. Nagi Reddy and S. Ramaswamy Reddy, ST12:Dec 71:2894:8557

Burdin, Walter W.
Design of Carters Pumped Storage Project, PO3:June 70:383:7353
Dsc: Frederic L. Lawton, PO1:Jan 71:261:7784
Clo: PO3:July 71:721:8256
TR:136:1129

Burges, Stephen J.
Some Factors Influencing Required Reservoir Storage, with Ray K. Linsley, HY7:July 71:977: 8227
Dsc, HY10:Oct 71:1795:8407, of "Flood Control Release Optimization Using Methods from Calculus", HY5:May 71:691:8117

Burggraf, Frank B., Jr.
Dsc, CE:Dec 70:54, on Ecological Values and Regional Planning, CE:Aug 70:40

Burgi, Philip H.
Seepage Effect on Channel Bank Stability, with Susumu Karaki, IR1:Mar 71:59:7968

Burgreen, David
Higher Mode Buckling of Bimetallic Beam, with David Regal, EM4:Aug 71:1045:8305
Thermal Buckling of a Bimetallic Beam, with Phillip J. Manitt, EM2:Apr 69:421:6509
Clo: EM1:Feb 70:89:7044
TR:136:745

Burkart, W. F.
Outline of Research Requirements for Construction, CO2:Oct 68:233:6189
Dsc: Carleton Coulter, III, CO1:July 69:141:6640; James Douglas, John W. Fondahl, Clarkson H. Oglesby and Henry W. Parker, CO1:July 69: 142:6640
Clo: CO1:June 70:83:7308
TR:136:601

Burke, Harris H.
Soils Engineering For Wells Project, PO2:Mar 71: 317:7976
See James G. Patrick, CE:Oct 70:61

Burlbaugh, Alfred G.
Dsc, TE4:Nov 71:718:8486, of "Wind Loading on Free-Swinging Traffic Signals", TE2:May 71:237: 8140

Burmister, Donald M.
Dsc, SM2:Feb 71:499:7866, of "Empirical Damping Constants for Sands and Clays", SM3:May 70:949: 7296

Burn, Kenneth N.
See Carl B. Crawford, SM6:Nov 69:1325:6879
See Carl B. Crawford, PISST:pp.235-244, 1971

Burnes, John A.
Dsc, SM2:Feb 71:509:7866, of "Decision Theory Applied to Settlement Predictions", SM4:July 70: 1127:7390
Dsc, ST11:Nov 71:2767:8485, of "Bridge Engineer Looks at Esthetics of Structures", ST4:Apr 71:1227: 8074

Burnett, Eric F.P.
Reinforced Concrete Beam-Column Connection, with Rajendra P. Jajoo, ST9:Sept 71:2315:8395

Burnett, Robert G.
Pump Storage at DeGray Dam, with William M. Rankin, Preprint No.1414, Apr 71
Pump Storage at Harry S. Truman Dam, with John O. Christensen, Preprint No.1415, Apr 71

Buro, Michel
Prestressed Rock Anchors and Shotcrete for Large Underground Powerhouse, CE:May 70:60
Errata: CE:Sept 70:94
TR:136:427

Burroughs, Edward R., Jr.
Volume of Snowmelt Intercepted by Logging Roads, with Michael A. Marsden and Harold F. Haupt, Preprint No.1326, Jan 71

Buser, Warren M.
Containership Finger Pier has Unique Fender System, CE:Apr 71:58

Butler, Charles Mathews
Memoir of, TR:136:1338

Butler, Stanley S.
Design Flood Frequency Curves, TN: HY3:Mar 71: 479:7945

Butrico, Frank A.
Statewide Management -- What Does the Future Hold?, with James B. Coulter, CWFE:Mar 71:93

Butsch, Richard J.
Reservoir System Design Optimization, HY1:Jan 70: 125:7023
Dsc: Augustine O. Esogbue and Thomas L. Morin, HY10:Oct 70:2137:7568
Clo: HY5:May 71:731:8081
TR:136:408

Butts, Thomas A.
Fluorometer Calibration Curves and Nomographs, SA4:Aug 69:705:6728
Dsc: Thomas E. Bailey, SA2:Apr 70:633:7190; Frederick A. Kilpatrick, SA3:June 70:856:7313
Clo: SA6:Dec 70:1440:7713
TR:136:145
Statistical Assessment of DO in Navigation Pool, with Donald H. Schnepper and Ralph L. Evans, SA2:Apr 70:477:7235
Clo: SA4:Aug 71:529:8269
TR:136:881

Buzzell, James C., Jr.
See Dee Mitchell, SA4:Aug 71:453:8333

Byers, William G
Impact from Railway Loading on Steel Girder Spans, ST6:June 70:1093:7341
Errata: ST4:Apr 71:1365:8015
TR:136:932
Dsc, ST11:Nov 70:2537:7644, of "Reliability-Based Structural Design", ST2:Feb 70:221:7072
Dsc, ST11:Nov 70:2545:7644, of "Stability Problems of Wood Truss Bridge", ST2:Feb 70:353:7095

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Dsc, SM1:Jan 70:6989, of "Consolidation Under Constant Rates of Strain", SM2:Mar 69:519:6452
See W. Liam D. Liam, SM5:May 71:808:8083

Byrne, R. J.
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Cabrera, J. G.
Dsc, with I. J. Smalley, SM5:May 71:802:8083, of "Engineering Behavior and Structure of Compacted Clay", SM4:July 70:1171:7397

Caddie, George H.
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Cajiao, Ricardo
See Tomas Shuk, SM1:Jan 70:177:6996

Caldwell, Joseph M.
New Developments in the Field of Tidal Hydraulics, HY1:Jan 69:1:6339
TR:136:756

Calhoon, Max L.
Dsc, CE:June 70:45, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Calkins, Myron D.
Planning Standards for Storm Drainage, UP1:Mar 70: 53:7133
Dsc: Harvey W. Duff and George C. C. Hsieh, UP2:Oct 70:167:7571
Clo: UP1:Apr 71:120:8016
TR:136:869

Callahan, Joseph P.
Bridge Deck Deterioration and Crack Control, with James L. Lott and Clyde E. Kesler, ST10:Oct 70: 2021:7579
TR:136:1157

Callan, Michael D.
Dsc, EM3:June 69:797:6580, of "A Numerical Technique for Elastica Problems", EM5:Oct 68: 1159:6182

Callander, R. A.
Dsc, WW4:Nov 71:766:8488, of "Flume Experiments on Alternate Bar Formation", WW1:Feb 71:155: 7869

Calleja, Mario
The Normal and Inverted Rod Method: A Substitute For The Double-Rodded Level Run, CE:Aug 70:63
TR:136:660

Camp, Eugene Vernon
Memoir of, TR:136:1339

Camp, Thomas R.
Backwashing of Granular Water Filters, with S. David Graber and Gerard T. Conklin, SA6:Dec 71: 903:8605
Dsc, SA6:Dec 69:6931, of "Agglomerate Size Changes in Coagulation", SA3:June 69:481:6605

XUM

Dsc, with S. David Graber, HY12:Dec 70:2631:7711, of "Internal Hydraulics of Thermal Discharge Diffusers", HY2:Feb 70:509:7085
Dsc, CE:Feb 71:46, on Politics and Water Pollution, CE:Oct 70:41

Campanella, Richard G.
See Iyer S. Ramantha, SM5:Sept 69:1219:6786

Campbell, David B.
Unbalanced Tensions in Transmission Lines, ST10: Oct 70:2189:7622
Errata: ST9:Sept 71:2426:8348
TR:136:1133

Campbell, John E.
Dsc, ST10:Oct 71:2627:8411, of "Sustained and Cyclic Loading of Concrete Columns", ST4:Apr 71: 1113:8033

Campbell, John S.
Dsc, ST12:Dec 69:2993:6932, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661: 6510

Campbell-Allen, Denison
Need For Diaphragms in Concrete Box Girders, with Raymond J.L. Wedgwood, ST3:Mar 71:825:7965
Dsc: Richard M. McClure, ST12:Dec 71:2911: 8557; A. Rajaraman, ST12:Dec 71:2915:8557; Vladimir Kristek, ST12:Dec 71:2916:8557

Canale, Raymond P.
Dsc, SA6:Dec 70:1448:7713, of "Response of Activated Sludge to Organic Transient Loadings", SA2:Apr 70:333:7205

Canter, Larry W.
See Donald R. Rowe, SA5:Oct 70:1221:7619

Capps, John F.
Dsc, SM3:Mar 71:586:7943, of "Review of Collapsing Soils", SM3:May 70:925:7278

Cardenas, Alex E.
Dsc, ST12:Dec 71:2905:8557, of "Finite Element Analysis of Reinforced Concrete Slabs", ST3:Mar 71:785:7963

Carey, Gary
See William Ronald Hudson, ST1:Jan 71:81:7852

Carigan, Patrick H.
Barge Tow Traffic Simulation Models, Preprint No.1479, July 71

Carley, Walter C.
Formation of Flood Plain Lands, HY3:May 69:981: 6574
Dsc: Charles R. Neill, HY1:Jan 70:297:6988; K. D. Woodyer, HY3:Mar 70:849:7113
Errata: HY6:Nov 69:2205:6866
Clo: HY10:Oct 70:2119:7568
TR:136:73

Carlson, Charles A.
See Robert G. Cox, HY10:Oct 71:1763:8407

Carnes, Billy A.
Dsc, SA3:June 71:378:8157, of "Loading Rates on Waste Stabilization Ponds", SA6:Dec 69:1117:6975

Carp, Frances M.
Transportation and the Elderly, Preprint No.1488, July 71

Carr, James H., Jr.
Dsc, ST10:Oct 70:2245:7570, of "Stability Problems of Wood Truss Bridge", ST2:Feb 70:353:7095

Carr, Robert W.
Sand Movement Measurement Near Anchor Plates, with Thomas H. Hanna, TN: SM5:May 71:833: 8087

Carrier, George F.
Channel Effects in Harbor Resonance, with Richard P. Shaw and Moto Miyata, EM6:Dec 71:1703:8611

Carrier, William D., III
See Nicholas C. Costes, SM6:Nov 70:2045:7704

Carroll, Joseph L.
Simulation of Waterway Transport Systems, with Michael S. Bronzini, TE3:Aug 71:527:8311

Carroll, Thomas
Clean Water: The Management Problem, CWFE:Mar 71:13

Carruth, Dennis
See Albert J. Klee, SA4:Aug 70:945:7469

Carsen, David
Civil Engineering Today: A Profession in Crisis-Part I, CE:Jan 70:48
TR:136:42
Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51
Dsc: J. C. Olsen, CE:June 70:44; John M. Youngerman, CE:June 70:44; Richard McFalls, CE:June 70:44; Brice R. Smith, Jr., CE:June 70: 45; William S. Foster, CE:June 70:45; Augustine J. Fredrich, CE:June 70:46; Neal H. Bettigole, CE:June 70:46; Stanley W. Woods, CE:June 70: 46; Max L. Calhoon, CE:June 70:45
TR:136:42

Carstens, Marion R.
A Theory for Heterogeneous Flow of Solids in Pipes, HY1:Jan 69:275:6354
Dsc: V. R. Krishna Murthy, HY1:Jan 70:277:6988
Clo: HY9:Sept 70:1875:7497
TR:136:764
Dsc, HY1:Jan 71:209:7783, of "Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual", HY7:July 70:1503:7423
See Robert R. Wright, HY9:Sept 70:1781:7517

Carstens, T.
Trapping of Outfall Constituents behind Sills, with A. Sjoberg, 12CEC:pp.1917-1930, 1971
Turbulent Diffusion and Entrainment in Two-Layer Flow, WW1:Feb 70:97:7081
Dsc: Chin-Yih Kuo, WW4:Nov 70:867:7645
Clo: WW3:Aug 71:583:8272
TR:136:724

Carter, B. Roger
See Harold T. Whitney, 4PCSM:pp.139-152, 1971

Carter, Buford J., Jr.
Valuation of Flow Augmentation Releases, with James P. Heaney and Edwin E. Pyatt, SA3:June 71:345:8203
See George R. Grantham, SA5:Oct 70:1045:7578

Carter, Clifford
See Bryan Stafford Smith, ST4:Apr 71:1055:8029

Carter, Everett C.
See Dennis C. Judycki, TE2:May 70:185:7281

Carter, Greg
See John J. Givens, CE:Apr 70:47

Carter, Larry W.
Loading Rates on Waste Stabilization Ponds, with Andrew Englande, Jr. and Alfred F. Mauldin, Jr., SA6:Dec 69:1117:6975
Dsc: Krishnier Purushothaman, SA5:Oct 70:1285: 7569; Billy A. Carnes, SA3:June 71:378:8157

Carter, Robert L.
Free Vibrations of Hyperboloidal Shells of Revolution, with Arthur R. Robinson and William C. Schnobrich, EM5:Oct 69:1033:6808
TR:136:260

XUM

Carvenka, Vladimir
Dsc, with Kurt H. Gerstle, ST9:Sept 71:2434:8348, of "Analysis of Orthotropic Reinforced Concrete Structures", ST12:Dec 70:2607:7782

Casaciario, Raffaele
Dsc, with Antonio Di Carlo and Gianfranco Valente, EM5:Oct 71:1560:8406, of "Plane Stress Limit Analysis by Finite Elements", EM6:Dec 70:931:7746

Casagrande, Dirk R.
See Robert V. Whitman, SM1:Jan 71:1:7809

Casciano, Frederick M.
See Robert A. Grace, WW3:Aug 69:291:6722

Case, F. N.
See E. H. Acree, 12CEC:pp.815-820, 1971
See H. R. Brashear, 12CEC:pp.821-830, 1971

Case, Fred E.
Economics of Water Quality and Wastewater Control, CWFE:Mar 71:115

Caselton, William F.
See Samuel O. Russell, HY2:Feb 71:323:7931

Cassell, E. Alan
Solidification of Sludges with Portland Cement, with Thomas W. Walker, SA1:Feb 70:15:7053
TR:136:411
See Richard M. Bodner, SA4:Aug 70:893:7451

Cassidy, John J.
Designing Spillway Crests for High-Head Operation, HY3:Mar 70:745:7153
Dsc: Cornelis A. van der Gugten, HY8:Aug 70:1778:7439; Clifford D. Smith, HY9:Sept 70:1916:7497; Singamsetti Surya Rao, HY11:Nov 70:2395:7641; Fernando M. Abecasis, HY12:Dec 70:2654:7711; Ramaswamy Sakthivadivel Sakthivadivel and S. Seetharaman, HY1:Jan 71:180:7783
Clo: HY10:Oct 71:1755:8407
TR:136:1245

Casson, John C.
See LeRoy T. Boyer, ST1:Jan 71:289:7853

Castanheta, Mario
See Jose Marecos, ST4:Apr 69:555:6492

Castanho, Jose
Influence of Grain Size on Littoral Drift, 12CEC:pp.891-898, 1971

Castellani, Alberto
Foundation Compliance Effects on Earthquake Response Spectra, SM4:July 70:1335:7425
TR:136:1029

Castle, Robert O.
See T. Leslie Youd, SM4:July 70:1201:7396

Castro, Daniel Cervantes
See Hector Lopez Gutierrez, 12CEC:pp.1151-1169, 1971

Catanach, Richard B.
Cement Stabilized Fill for Conduit Support, with Thomas N. McDaniel, TN: SM6:June 71:959:8162

Cauldwell, F. Sherman
Dsc, WW1:Feb 71:225:7868, of "Effect on Waterway Depth and Alignments", WW2:May 70:497:7305

Caves, Joel L.
Dsc, HY9:Sept 70:1901:7497, of "Effect of Intake Elevation and Operation on Water Temperature", HY6:Nov 69:2081:6917

Cayot, Ramon
See Peter D. Hindley, PO4:Dec 71:783:8580

Cecil, Edward A.
Dry-type Cooling Towers, with Paul R. Cunningham, Clarence J. Steiert and Rodger O. Young, Preprint No.1540, Oct 71

Cecil, Owen S.
Shotcrete Support in Rock Tunnels in Scandinavia, CE:Jan 70:72
Dsc: Asbjern Bakken, CE:Aug 70:68
TR:136:143

Cederwall, Klas
Dsc, PO1:Jan 71:229:7784, of "Horizontal Surface Discharge of Warm Water Jets", PO2:Oct 69:253:6847

Celebi, Mehmet
Dsc, ST11:Nov 69:2540:6867, of "Design and Analysis of Frames for Stability", ST4:Apr 69:695:6522

Cella, Aldo
Automated Optimum Design from Discrete Components, with Robert D. Logcher, ST1:Jan 71:175:7845

Cermak, J. E.
Wind-Tunnel Simulation of Wind Loading on Structures, with W. Z. Sadeh, Preprint No.1417, Apr 71

Cetiner, Ayhan
See Richard H. Gunderson, ST1:Jan 71:363:7842

Chae, Yong S.
Vibration of Noncircular Foundations, SM6:Nov 69:1411:6918
TR:136:335

Chajes, Alexander
See Pan San Hsueh, EM3:June 71:919:8210

Chakrabarti, Subrata
Dsc, EM3:June 71:1028:8154, of "Nondeterministic Analysis of Offshore Structures", EM6:Dec 70:985:7777
See Yau-kai Cheung, TN: EM3:June 71:1039:8160

Chakrabarti, Subrata K.
Wave Train Direction Analysis, TN: WW4:Nov 71:787:8491
Dsc, WW3:Aug 71:588:8272, of "Dynamics of Single Point Mooring in Deep Water", WW4:Nov 70:815:7700
Dsc, WW3:Aug 71:592:8272, of "Forces Due to Waves on Submerged Structures", WW1:Feb 71:57:7870
Dsc, WW4:Nov 71:771:8488, of "Interaction of Waves with Submerged Objects", WW2:May 71:259:8111
See C. P. Rains, Preprint No.1361, Apr 71

Chamberlin, Robert S.
Undersea Oil Storage Tank, CE:Aug 70:57
Dsc: F. Hatfield, CE:Nov 70:65
TR:136:634
See James A. Wees, SM10:Oct 71:1415:8439

Chamis, Christos C.
Buckling of Anisotropic Composite Plates, ST10:Oct 69:2119:6799
Dsc: T. M. Hsu, ST7:July 70:1604:7386
Errata: ST7:July 70:1606:7386
Clo: ST3:Mar 71:960:7944
TR:136:244

Chan, Clarence K.
See William D. Kovacs, SM1:Jan 71:59:7813

Chan, Ho-Bong
See Wai K. Tso, EM1:Feb 71:33:7899

Chan, Robert K. C.
Shoaling of Finite-Amplitude Waves on Plane Beaches, with Robert L. Street, 12CEC:pp.345-361, 1971

Chandler, Alan R.
Dsc, TE4:Nov 69:700:6868, of "Economic Location of Locks", TE1:Feb 69:77:6397
Dsc, WW4:Nov 69:602:6869, of "Tonnage Capacity of Locks", WW2:May 69:201:6577

Chandler, R. L.
See Myron K. Nelson, SA2:Apr 70:593:7247

Chandler, Thomas S.
Optical Current Meter Use in Southern California, with Winchell Smith, HY9:Sept 71:1461:8390

Chandra, Sushil
Dsc, EM1:Feb 70:98:7044, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3: June 69:531:6604
Dsc, ST8:Aug 70:1827:7442, of "Behavior of Concrete under Compressive Loadings", ST12:Dec 69:2543:6935
Dsc, ST8:Aug 70:1828:7442, of "Strength of Concrete Filled Steel Tubular Columns", ST12:Dec 69:2565:6936

Chandrasekhara, D. V.
See Nagar S. Lakshmana Rao, HY10:Oct 70:2150: 7568
See B. C. Syamala Rao, HY10:Oct 71:1782:8407

Chandrasekhara, T. R.
Dsc, with S. Muddappa, HY4:July 69:1470:6641, of "Beaches Produced by Waves of Low Phase Difference", HY5:Sept 68:1183:6100
Dsc, with S. Venkataramana, HY4:Apr 70:1068:7189, of "On the Concept of Mean Hydraulic Radius", HY4:July 69:1305:6691
Dsc, HY6:June 70:1363:7310, of "Investigation of Brahmaputra River", HY5:Sept 69:1687:6793
Dsc, HY8:Aug 70:1748:7439, of "Energy Dissipators for Large Culverts", HY6:Nov 69:1941:6893
Dsc, IR3:Sept 70:364:7498, of " Triangular Broad-Crested Weir", IR4:Dec 69:493:6954
Dsc, with S. Venkataramana, HY5:May 71:736:8081, of "Flow Analysis of Large Triangular Weit", HY7: July 70:1435:7405
See D. Shankarachar, HY4:Apr 70.1045:7189
See D. Shankarachar Brensers, HY8:Aug 70:1747: 7439

Chang, Chin-Yung
Analysis of Soil Movement Around a Deep Excavation, with James M. Duncan, SM5:Sept 70: 1655:7512
Dsc: David S. Matheson and Sivajogi D. Koppula, SM7:July 71:1034:8224
See James M. Duncan, SM5:Sept 70:1629:7513

Chang, Fred F. M.
Computer Simulation of Sediment Deposit in an Alluvial Channel, with Dennis L. Richards and Yuh Hua Tsai, Preprint No.1538, Oct 71
Deposition of Sediment in Transient Flow, with Dennis L. Richards, HY6:June 71:837:8191
Ripple Concentration and Friction Factor, HY2:Feb 70:417:7067
Dsc: Chun-Tsung Wang, HY7:July 70:1658:7384
Clo: HY1:Jan 71:178:7783
TR:136:489

Chang, Hai Yain
Flume Experiments on Alternate Bar Formation, with Daryl B. Simmons and David A. Woolhiser, WW1: Feb 71:155:7869
Dsc: Frank Engelund, WW3:Aug 71:590:8272; R. A. Callander, WW4:Nov 71:766:8488; Mohammad Akram Gill, WW4:Nov 71:768: 8488

Chang, Jen-hu
See Howard C. Hogg, IR1:Mar 69:127:6448

Chang, Kenneth S. T.
Studies on the Shore Process and Wave Features of the Western Coast of Taiwan, with Frederick L. W. Tang, 12CEC:pp.729-737, 1971

Chang, Shih L.
Modern Concept of Disinfection, NSCD:pp.635-681, 1971
Modern Concept of Disinfection, SA5:Oct 71:689: 8441

Chang, Y. Y.
See Norbert L. Ackermann, HY2:Feb 71:223:7920

Chao, Shen P'eng
See Don J. Wood, TE3:Aug 71:441:8296

Charak, Ira
Containment Design Considerations for LMFBRS, Preprint No.1296, Jan 71

Charlton, Frederick G.
Dsc, HY10:Oct 70:2142:7568, of "River Channel Patterns", HY1:Jan 70:201:7038

Charlwood, Robin G.
Thermo-Elasto-Plasticity, with Donald L. Anderson, Preprint No.1364, Apr 71

Charm, Leo Morris
Memoir of, TR:136:1340

Charrett, Donald E.
See George I. N. Rozvany, ST5:May 71:1521:8095

Chatterjee, Karuna N.
Dsc, SA5:Oct 70:1276:7569, of "Frequency Analysis of Rainfall Intensities for Calcutta", SA6:Dec 69: 1013:6950

Chaudhry, Mohammad Hanif
Resonance in Pressurized Piping Systems, HY9:Sept 70:1819:7525
Dsc: E. Benjamin Wylie, HY2:Feb 71:380:7863; Werner Zielke and Gerd Rosl, HY7:July 71: 1141:8223
Surge Tank Stability By Phase Plane Method, with Eugen Ruus, HY4:Apr 71:489:8044
Dsc, HY5:May 70:1221:7248, of "Stability of Oscillations in Simple Surge Tank", HY5:Sept 69: 1577:6773

Chaudhuri, Malay
Dsc, with David H. Foster and Richard S. Engelbrecht, SA1:Feb 71:118:7865, of "Virus Inactivation During Phosphate Precipitation", SA2: Apr 70:365:7220
Dsc, with Richard S. Engelbrecht, SA6:Dec 71:944: 8555, of "Metal Toxicity to Sewage Organisms", SA2:Apr 71:161:8020

Chauvin, Glen A.
Post-Tensioned Concrete Nuclear Structures, with Robert J. Small and Adolf Walser, PO3:June 70: 400:7355
Dsc: Robert E. Shewmaker, PO1:Jan 71:262:7784; Dolat S. Mehta, PO2:Mar 71:587:7942

Chawla, A. S.
See Satya P. Garg, HY4:July 69:1095:6648
See Satya P. Garg, HY6:June 70:1261:7335

Chen, Albert T-F
See Robert L. Schiffman, SM1:Jan 69:285:6370

Chen, Andrie C.T.
Dsc, with Ti Huang and Wai Chen, ST11:Nov 71: 2763:8485, of "Flexural Rigidity of Concrete Column Sections", ST2:Feb 71:573:7933

Chen, C. K.
See John A. Roberson, HY4:Apr 70:941:7224

Chen, Carl W.
Computer Simulation Of Urban Storm Water Runoff, with Robert P. Shubinski, HY2:Feb 71:289:7924
Dsc: Cheng-Yeng Hung, HY11:Nov 71:1918:8483
Concepts and Utilities of Ecologic Model, SA5:Oct 70:1085:7602
TR:136:1280

Chen, Cheng-Lung
Fate of Thermally Polluted Surface Water in Rivers, SA3:June 71:311:8197
Formulation of Mathematical Watershed-Flow Model, with Ven Te Chow, EM3:June 71:809:8199
Nondimensional Gradually Varied Flow Profiles, with Chun-Tsung Wang, HY5:Sept 69:1671:6790
Dsc: Nagar S. Lakshmana Rao and Kalambur Sridharan, HY4:Apr 70:1093:7189; Ramanand Prasad and Beka Udeozo, HY7:July 70:1622:7384
Errata: HY3:Mar 71:449:7940
TR:136:228
Sediment Dispersion in Flow with Moving Boundaries, HY8:Aug 71:1181:8287
Surface Irrigation Using the Kinematic-Wave MethoS, IR1:Mar 70:39:7134
Dsc: David A. Woolhiser, IR4:Dec 70:498:7712
Clo: IR4:Dec 71:640:8553
TR:136:813

Chen, Kenneth
Floating Breakwater for Reservoir Marinas, with Robert L. Wiegel, 12CEC:pp.1647-1666, 1971

Chen, Kuang-Chen
See Chao-Lin Chiu, EM5:Oct 69:1215:6858

Chen, Park K.
Dsc, CE:Sept 71:72, on Graphical Method for Finding All Roots of Quadratic and Cubic Equations, CE:Jan 71:53

Chen, Peter W.
Aeroelastic Response of Five-mass Triangular Prisms in a Turbulent Wind, with Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, Preprint No.1404, Apr 71
Response of Triangular Prisms in Turbulent Wind, with Alan G. Davenport, Nicholas Isyumov and Leslie E. Robertson, ST11:Nov 71:2679:8526

Chen, Shoei-sheng
Dynamic Stability of Tube Conveying Fluid, EM5:Oct 71:1469:8420
Dsc, EM5:Oct 71:1579:8406, of "Vibration of Support Excited Tubes in Coaxial Flow", EM6:Dec 70:1039:7775

Chen, Wai
See Andrie C.T. Chen, ST11:Nov 71:2763:8485

Chen, Wai F.
Approximate Solution of Beam-columns, TN: ST2:Feb 71:743:7861
Bearing Capacity of Concrete Block or Rocks, with D. C. Drucker, EM4:Aug 69:955:6742
Dsc: A. R. Santhakumar, L. K. Kamaraj and M. Lakshmipathy, EM3:June 70:370:7309
Clo: EM6:Dec 70:1271:7710
TR:136:241
Bearing Capacity of Concrete Blocks, with Sergio Couarrubias, EM5:Oct 71:1413:8421
Column Web Strength in Steel Beam-to-Column Connections, with David E. Newlin, Preprint No.1524, Oct 71
Extensibility of Concrete and Theorems of Limit Analysis, EM3:June 70:341:7369
TR:136:874
Further Studies of Inelastic Beam-Column Problem, ST2:Feb 71:529:7922
General Solution of Inelastic Beam-Column Problem, EM4:Aug 70:421:7482
TR:136:957
Limit Analysis Of Stability Of Slopes, with M. W. Giger, SM1:Jan 71:19:7828
Plastic Indentation of Metal Blocks by Flat Punch, EM3:June 70:353:7370
TR:136:897
Dsc, with Sakda Santathadaporn, EM2:Apr 70:188:7188, of "Approximate Yield Surface Equations", EM4:Aug 69:937:6741

Cheney, James A.
Buckling of Soil-Surrounded Tubes, EM4:Aug 71:1121:8297
Pressure Buckling of Ring Encased in Cavity, EM2:Apr 71:333:8024

Cheney, Lloyd T.
Dsc, PP1:Oct 71:232:8408, of "Engineering Registration-License for What?", PP1:Sept 70:103:7562

Cheng, Aylmer P.
Beams on Discrete, Nonlinear Elastic Supports, with Howard L. Furr, ST11:Nov 69:2335:6873
Dsc: Anatol A. Eremin, ST8:Aug 70:1813:7442
TR:136:669

Cheng, David H.
Dsc, with Jacques E. Benveniste, ST12:Dec 71:2928:8557, of "Structural Response to Sonic Booms", ST4:Apr 71:1157:8063

Cheng, Franklin Y.
Vibrations of Timoshenko Beams and Frameworks, ST3:Mar 70:551:7155
TR:136:866

Cherwony, Walter
See H. Richard Orth, TE3:Aug 70:365:7478

Chesney, William A.
Memoir of, TR:136:1341

Cheswick, Thomas
Dsc, CE:Jan 71:45, on Engineers Salaries: What California Is Doing, CE:June 70:56

Cheung, M. S.
See Yau-Kai Cheung, EM2:Apr 71:391:8038

Cheung, Yau-kai
Analysis of Simply Supported Thick, Layered Plates, with Subrata Chakrabarti, TN: EM3:June 71:1039:8160
Flexural Vibrations of Rectangular and Other Polygonal Plates, with M. S. Cheung, EM2:Apr 71:391:8038
Dsc: Patricio A. Laura and Mario Maurizi, EM5:Oct 71:1588:8406
Folded Plate Structures by Finite Strip Method, ST12:Dec 69:2963:6985
Dsc: Alexander C. Scordelis and Kaspar J. William, ST7:July 70:1622:7386; Yew-Chaye Loo and Anthony R. Cusens, ST8:Aug 70:1848:7442
Clo: ST4:Apr 71:1354:8015
TR:136:760

Chevray, Rene
A Man of Hydraulics: Henri de Pitot (1695-1771), HY4:July 69:1129:6650
Dsc: D. Shankarachar and T. R. Chandrasekhara, HY4:Apr 70:1045:7189
TR:136:803

Chew, Norman B.
Management and Engineering -- A Conflict, Preprint No.1472, July 71

XUM

Chiang, Fu-Pen
Determination of Signs in Moire Method, EM6:Dec 69:1379:6963
Dsc: Vincent J. Parks, EM4:Aug 70:503:7438
Clo: EM2:Apr 71:579:8011
TR:136:419

Chin, Fung Kee
Dsc, SM6:June 71:930:8158, of "Pile Tests-Arkansas River Project", SM5:Sept 70:1545:7509

Chinn, J.
Ponding of Liquids on Flat Roofs, with A. H. Mansouri and Staley F. Adams, ST5:May 69:797:6539
Dsc: Ganpat S. Pandit, ST1:Jan 70:153:6990
Clo: ST9:Sept 70:1960:7567
TR:136:66

Chiou, Chyan S.
Radial Flow Between Porous and Solid Discs, with Harold L. Weissberg, TN: EM6:Dec 71:1759:8559

Chirgwin, K. M.
Low-speed Operation of the Linear Induction Motor Test Vehicle, Preprint No.1504, July 71

Chitale, Shrikrishna V.
River Channel Patterns, HY1:Jan 70:201:7038
Dsc: George H. Caddie, HY0:Oct 70:2141:7568; Frederick G. Charlton, HY10:Oct 70:2142:7568; A. N. Biswas and K. K. Bandyopadhyay, HY1: Jan 71:175:7783
Clo: HY8:Aug 71:1235:8267
TR:136:931
Dsc, HY2:Feb 70:586:7045, of "River Metamorphosis", HY1:Jan 69:255:6352
Dsc, with K. S. Rajagopalan, HY4:Apr 70:1060:7189, of " Hydraulic Design of Unlined Rock Tunnels", HY4:July 69:1235:6679

Chiu, Arthur N.
Response of Structures to Time-Varying Wind Loads, ST2:Feb 70:381:7104
Clo: ST12:Dec 70:2671:7714
TR:136:585

Chiu, Chao-Lin
Stochastic Hydrodynamics of Sediment Transport, with Kuang-Chen Chen, EM5:Oct 69:1215:6858
TR:136:341

Choi, Yu Leuk
Prediction of Lake Stratification, with James A. Liggett, Preprint No.1295, Jan 71
Dsc, HY10:Oct 70:2154:7568, of "Temperature Variations in Deep Reservoirs", HY2:Feb 70:391:7063
Dsc, SA6:Dec 70:1455:7713, of "Examination of the Thermocline", SA2:Apr 70:353:7219

Chopra, Anil K.
Dynamics of Earth Dams with Foundation Interaction, with P. R. Perumalswami, EM2:Apr 71:181:8049
Earthquake Response of Concrete Gravity Dams, EM4:Aug 70:443:7485
TR:136:1176

Chou, Yu-Tang
See Richard G. Ahlvin, TE4:Nov 71:711:8486

Chow, Ven Te
General Hydrologic System Model, with V. C. Kulandaiswamy, HY6:June 71:791:8176
See Cheng-lung Chen, EM3:June 71:809:8199

Chowdhury, R. N.
Dsc, SM1:Jan 70:336:6988, of "Slopes in Stiff-Fissured Clays and Shales", SM2:Mar 69:467:6449
Dsc, SM1:Jan 70:351:6989, of "A Study of Bulk and Shear Moduli of a Sand", SM2:Mar 69:561:6461

Christensen, Bent A.
Dsc, HY3:Mar 70:850:7113, of "Manning n for Cast-in-Place Concrete Pipe", HY3:May 69:995:6575
Dsc, HY8:Aug 70:1728:7439, of " Movement of Sand in Tunnels", HY6:Nov 69:1835:6880
See Barry A. Benedict, WW1:Feb 71:213:7868

Christensen, John O.
See Robert G. Burnett, Preprint No.1415, Apr 71

Christensen, Nephi A.
Aqueducts for the Least Cost Conveyance of Water, IR3:Sept 71:483:8381

Christensen, Wallace R.
See Robert H. Griffin, Preprint No.1314, Jan 71

Christian, John T.
Plane Strain Consolidation by Finite Elements, with Jan Willem Boehmer, SM4:July 70:1435:7437
Dsc: Robert L. Schiffman, SM3:Mar 71:595:7943; W. Liam D. Liam, Peter M. Byrne and F. Bucher, SM5:May 71:808:8083
Clo: SM11:Nov 71:1596:8484
See Edward H. Davis, SM5:May 71:753:8146
See Lymon C. Reese, Preprint No.1565, Oct 71
See Anwar E.Z. Wissa, SM10:Oct 71:1393:8447

Christiano, Paul
Frequencies of Beams with Elastic Warping Restraint, with Larry Salmela, TN: ST6:June 71:1835:8164

Christiano, Paul P.
Horizontally Curved Bridges Subject to Moving Load, with Charles G. Culver, ST8:Aug 69:1615:6713
Dsc: Chen Pang Tan and Sidney Shore, ST4:Apr 70:861:7191; Kiran M. Vashi, ST5:May 70:995:7250
Clo: ST11:Nov 70:2524:7644
TR:136:94
See Charles G. Culver, ST8:Aug 69:1599:6712
See Stanley J. Jarecki, PO4:Dec 71:817:8587

Christianson, Alden G.
See Bruce A. Tichenor, Preprint No.1297, Jan 71
See Bruce A. Tichenor, PO3:July 71:589:8250

Christman, Russell F.
See Robert K. Ham, SA3:June 69:481:6605

Christoulas, Demetrious G.
Approximate Solution to Flow Problems Under Dams, SM11:Nov 71:1573:8528

Chu, King Yuen
See Chen Pang Tan, Preprint No.1376, Apr 71

Chu, Kuang-Han
Analysis of Horizontally Curved Box Girder Bridges, with Suresh G. Pinjarkar, ST10:Oct 71:2481:8453
Buckling of Open Cylindrical Shells Under Lateral Load, with Peter Turula, EM6:Dec 70:1143:7736
Errata: EM5:Oct 71:1560:8406
TR:136:1315
Elastic Buckling of Beam Flange Plates, with Albert J. Gouwens, TN: EM4:Aug 71:1329:8273
Postbuckling Behavior of Open Cylindrical Shells, with Peter Turula, EM6:Dec 70:877:7723
Errata: EM5:Oct 71:1558:8406
TR:136:1298
See James F. Costello, ST10:Oct 69:2281:6848
See Peter Turula, EM6:Dec 70:1125:7733

Chu, Shih-Lung
See Richard N. Bergstrom, PO2:Mar 71:367:7977

Chu, Vincent H.
See Hans J. Leutheusser, HY9:Sept 71:1269:8367

Chuck, Robert T.
Largest Butyl Rubber Lined Reservoir, CE:May 70: 44
TR:136:405

Chugh, Asho Kumar
Dsc, CE:May 71:52, on Positive Moment and Inflection Points for Continuos and Fixed Beams, CE:Dec 70:30

Chung, Bertrand T.
Buckling Strength of Columns Based on Random Parameters, with George C. Lee, ST7:July 71:1927: 8259

Chung, T. J.
Finite Element Analysis of Thick Shell of Revolution, with Martin A. Bandy, TN: EM4:Aug 71:1315: 8273

Ciani, John B.
Seafloor Surveying by Divers, with E. Kent Hunter, George B. Dowling and David M. Bunk, SU2:Nov 71:149:8496

Claire, William H.
Esthetic Considerations in Urban General Planning, Preprint No.1546, Oct 71
Planning for Memphis Medical Center Traffic and Parking, with Randall A.P. Johnson, TE1:Feb 71: 51:7882

Clapp, James L.
The Role of the Civil Engineer in Remote Sensing, Preprint No.1337, Jan 71
See James D. Gruendler, SU1:Apr 70:1:7195
See James D. Gruendler, Preprint No.1336, Jan 71
See Gerald W. Johnson, SU1:May 71:27:8139
See Thomas A. Asbeck, SU1:May 71:53:8149
See Gerald W. Johnson, SU2:Nov 71:165:8502

Clare, Horacio, Jr.
Memoir of, TR:136:1342

Clark, Arthur W.
See Barry J. Vickery, Preprint No.1385, Apr 71

Clark, C. O.
Dsc, HY7:July 71:1161:8223, of "Reservoir Operation With Imperfect Flow Forecasts", HY2: Feb 71:323:7931

Clark, George A.
See Richard M. Soberman, Preprint No.1446, July 71

Clark, James Gordon
Professional Recognition - How?, Preprint No.1557, Oct 71

Clark, John W.
See Maurice L. Sharp, ST4:Apr 71:1021:8048

Clark, Joseph A.
Flow Visualization in Turbulent Boundary Layers, with Eric Markland, HY10:Oct 71:1653:8459

Clark, Marlyn E.
Abnormality Detection in Simulated Arterial Systems, with Giovanni F. Ayala and Samuel L. Hawkes, EM5:Oct 69:1189:6854
TR:136:1226

Clark, Robert M.
Basic Data Network for Solid Waste Management, with John M. Sweeten, Preprint No.1548, Oct 71
Cost of Residential Solid Waste Collection, with B. L. Grupenhoff, C. A. Garland and Albert J. Klee, SA5:Oct 71:563:8403
Decentralized Solid Waste Collection Facilities, with Billy P. Helms, SA5:Oct 70:1035:7594
Dsc: James P. Heaney, SA2:Apr 71:240:8013; Malcolm Kirby, SA3:June 71:387:8157
Economics of Solid Waste Investment Decisions, UP1:Mar 70:65:7151
Dsc: Thomas L. Morin and Augustine O. Esogbue, UP1:Apr 71:121:8016
Clo: UP2:Dec 71:242:8558
Financing Municipal Solid Waste Management Systems, with Richard O. Toftner, SA4:Aug 70:885: 7449
TR:136:973
Management of Solid Waste-The Utility Concept, with Richard O. Toftner and Thomas W. Bendixen, SA1:Feb 71:33:7875
See Billy P. Helms, UP1:Apr 71:1:8061
See Billy P. Helms, SA4:Aug 71:443:8280

Clark, Samuel H.
Commercialism in Tax-Favored Institutions, with Raymond Lundgren, PP1:Sept 70:93:7560
TR:136:1002

Clarke, F. J.
Dsc, CE:May 70:43, on The Civil Engineer and the Conservationist, CE:Feb 70:37

Clary, John N.
New Highway Bridge Dimensions for Safety, TE2: May 71:371:8152

Claycomb, Elmer L.
Urban Storm Drainage Criteria Manual from Denver, CE:July 70:39
TR:136:511
See Kenneth R. Wright, HY6:Nov 69:2196:6866

Clohecy, Gerald F.
Geodetic Computations by Electronic Computer, SU1:May 71:97:8105

Close, E. R.
Objective Determination of Safety Factor in Reservoir Design, with Leo R. Beard and D. R. Dawdy, ST5:May 70:1167:7297
TR:136:1235

Clough, Gerald W.
Finite Element Analyses of Retaining Wall Behavior, with James M. Duncan, SM12:Dec 71:1657:8583
See James M. Duncan, SM8:Aug 71:1053:8317

Clough, Richard H.
See Thomas L. Morin, CO1:July 69:85:6690

Clyde, George D.
Dsc, IR4:Dec 69:620:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401: 6281

Coates, Donald F.
Dsc, SM1:Jan 70:340:6989, of "Slopes in Stiff-Fissured Clays and Shales", SM2:Mar 69:467:6449

Coburn, D. F.
See Rolf Eliassen, SA2:Apr 69:299:6514

Cockfield, Richard W.
Design Concept for Assigning Urban Space, with Virginia K. Handa, UP2:Dec 71:191:8582

Coe, Jack J.
Ground Water Management-A Progress Report, IR1: Mar 71:149:7971
Satisfying Water Needs in Southern California, IR2: June 71:233:8193

Cohen, Eli W.
See Paul Rogers, PO1:Jan 70:117:7030

Cohen, Norman J.
Statistical Theory in Materials Sampling, CO1:Mar 71:95:8005

Cohen, Zivan
Precast Concrete Panels Cut Cost of Apartment Complex, CE:May 71:48

XUM

Cohn, Sidney
Role of Behavioral Science in Environmental Design, ABS:pp.115-124, 1971

Colcord, Frank C., Jr.
Predicting Urban Transportation Controversy, Preprint No.1477, July 71

Colcord, Joe E.
Tachemetry in Survey Engineering, SU1:May 71:39:8141

Cole, John A.
Dsc, HY4:Apr 71:583:8012, of "Decision Criteria for Using Stochastic Hydrology", HY4:Apr 70:911:7209

Cole, Leon Monroe
Multiservice Transport Systems for Urban Mobility, UP1:Apr 71:31:8025
Dsc: Robert L. McFall, UP2:Dec 71:246:8558

Coleman, Neil L.
Dsc, HY11:Nov 71:1921:8483, of "Hydrodynamic Effects of Seepage on Bed Particles", HY3:Mar 71:421:7973

Coleman, Thomas C.
Dsc, CE:July 71:56, on The 1-Point Procedure, CE:Feb 71:60

Collins, Harvey F.
Problems in Obtaining Adequate Sewage Disinfection, with Robert E. Selleck and George C. White, NSCD:pp.137-161, 1971
Problems in Obtaining Adequate Sewage Disinfection, with Robert E. Selleck and George C. White, SA5:Oct 71:549:8430

Collins, J. Ian
Probabilities of Breaking Wave Characteristics, 12CEC:pp.399-414, 1971

Collins, Michael A.
Seepage Through Triangular Dam Without Tailwater, TN: SM9:Sept 71:1355:8391

Collison, Gary H.
See Boris S. Browzin, SM1:Jan 71:250:7785

Colombo, Peter
See Lawrence E. Kukacka, ST9:Sept 71:2217:8363

Colonell, Joseph M.
See Victor Goldsmith, 1971

Colony, David C.
Dsc, TE1:Feb 70:115:7048, of "Esthetics of Urban Transportation Facilities", TE1:Feb 69:23:6390
Dsc, TE1:Feb 71:169:7864, of "Social Considerations of Urban Transportation Systems", TE3:Aug 70:333:7471

Colson, George P.
Control of Tunneling Machines by "TunneLaser" System, CE:Feb 70:55
TR:136:82

Colvocoresses, Alden P.
Mapping from Space, SU1:May 71:125:8137

Comstock, Chester F.
Inspect Bridges Now, Avoid Problems Later, CE:Nov 71:66

Congdon, Judith G.
Plastic Behavior of Beams with Reinforced Holes, with Richard G. Redwood, ST9:Sept 70:1933:7561
TR:136:1043

Conklin, Gerard T.
See Thomas R. Camp, SA6:Dec 71:903:8605

Conley, Walter R.
See Gordon L. Culp, SA5:Oct 69:829:6823

Conner, F. M.
The Postponement of Obsolescence in Ferries, Preprint No.1432, July 71

Conner, Harold W.
Moment Redistribution in Precast Concrete Frame, with Paul H. Kaar and W. Gene Corley, ST3:Mar 70:637:7168
Dsc: Herbert A. Sawyer, ST2:Feb 71:722:7867
Clo: ST9:Sept 71:2424:8348
TR:136:858

Connor, Jerome J.
See Carlos Brebbia, EM2:Apr 69:463:6516
See Rene W. Luft, ST1:Jan 71:349:7841
See David W. Malone, EM4:Aug 71:1145:8293

Conover, W. J.
Statistical Model of Turbulence in Sediment-Laden Streams, with N. C. Matalas, EM5:Oct 69:1063:6814
TR:136:294

Conrad, E. T.
See Ralph Stone, CE:May 70:37

Contractor, Dinshaw N.
Dsc, with James M. Wiggert, HY5:May 71:762:8081, of "Implicit Flood Routing in Natural Channels", HY12:Dec 70:2481:7773

Cook, David J.
Dsc, EM1:Feb 70:102:7044, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3:June 69:531:6604

Cook, Robert D.
Dsc, ST7:July 70:1621:7386, of "Theory of Nonlinear Elastic Structures", ST12:Dec 69:2687:6943
Dsc, EM6:Dec 71:1745:8551, of "Buckling of Multilayer Plates by Finite Elements", EM2:Apr 71:477:8051

Cook, Robert N.
Comprehensive Unified Land Data System, SU1:Oct 69:103:6851
TR:136:657

Cooke, Henry R.
Soft-ground Tunneling for Storm Sewer, CE:Apr 71:61

Coon, Max D.
Recoverable Deformation Of Cohesionless Soils, with Roger J. Evans, S&M2:Feb 71:375:7911
Dsc: Mohamed A. El-Sohby, SM12:Dec 71:1711:8556

Cooney, Austin
Laser Alignment Techniques Utilized in Tunneling, SU2:Sept 70:229:7545
TR:136:967

Cooper, Norman L.
Dsc, TE1:Feb 71:170:7864, of "Social Considerations of Urban Transportation Systems", TE3:Aug 70:333:7471

Cooper, Peter B.
See Dennis E. Myers, ST12:Dec 69:2845:6966

Cooper, Richard H.
Scope of Experimental and Practical Conditions for Flow in Mobile Bed Channels, with Allan W. Peterson and Thomas Blench, Preprint No.1335, Jan 71
Dsc, with Allan W. Peterson, HY9:Sept 70:1880:7497, of "Coordination of Mobile-Bed Hydraulics", HY6:Nov 69:1871:6884

Cooper, Sol E.
Engineering Societies' Program for Training Minority Manpower, PP1:July 69:61:6694
Clo: PP1:Oct 71:226:8408
TR:136:301

Copen, Merlin D.
Arch Dam Design: State-of-the-Art, with Loyd R. Scrivner, PO1:Jan 70:93:7021
Dsc: Serge V. Valent, PO1:Jan 71:237:7784; J. Laginha Serafim, PO1:Jan 71:241:7784
Clo: PO3:July 71:712:8256
TR:136:746
Determination of In Situ Stresses in Concrete Dams, with George B. Wallace, PO2:Mar 71:455:7964

Copp, Howard D.
Flood Damage Alleviation, Engineering or Education?, Preprint No.1310, Jan 71

Cordery, Ian
Initial Loss for Flood Estimation and Forecasting, HY12:Dec 70:2447:7737
Dsc: Robert G. Cox and Charles A. Carlson, HY10:Oct 71:1763:8407

Cores, Arthur T.
See Royal H. Brooks, IR3:Sept 71:455:8389

Corey, Arthur T.
See Nikolas F. White, IR2:June 70:165:7376

Corey, Gilbert L.
See Royal H. Brooks, IR3:Sept 71:455:8389

Corley, W. Gene
See Harold W. Conner, ST3:Mar 70:637:7168

Cornell, C. Allin
Dsc, ST2:Feb 70:441:7047, of "Probability of Plastic Collapse Failure", ST8:Aug 69:1743:6751

Corns, Charles F.
Dsc, PO1:Jan 71:248:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034

Corotis, Ross B.
Dsc, EM5:Oct 71:1591:8406, of "Random Processes for Earthquake Simulation", EM2:Apr 71:495:8057

Cortright, Clifford J.
Reevaluation and Reconstruction of California Dams, PO1:Jan 70:55:7008
TR:136:368

Corum, James M.
Motar Models of Prestressed Concrete Reactor Vessels, with Richard N. White and Jack E. Smith, ST2:Feb 69:229:6419
TR:136:21

Costa, Fernando Vasco
Directional Analysis in Model Design, EM2:Apr 71:519:8053
Dsc: William Squire, EM5:Oct 71:1589:8406; Johannes Gessler, EM6:Dec 71:1746:8551; Enzo O. Macagno, EM6:Dec 71:1748:8551

Costantino, Carl J.
Response of Buried Cylinders Encased in Foam, with Eban Vey, SM5:Sept 69:1159:6769
TR:136:1104

Costello, James F.
Failure Probabilities of Reinforced Concrete Beams, with Kuang-han Chu, ST10:Oct 69:2281:6848
TR:136:324

Costes, Nicholas C.
Apollo 11: Soil Mechanics Results, with William D. Carrier, III, James K. Mitchell and Ronald Fraser Scott, SM6:Nov 70:2045:7704
Dsc: John D. Nelson, SM10:Oct 71:1497:8410

Costic, Paul J., III
Dsc, CE:Apr 71:41, on Population and People, CE:Dec 70:27
Dsc, CE:July 71:40, on The Other Side of "The Highway Explosion", CE:Feb 71:47

Cotteral, Joseph A., Jr.
Septic Tank Systems, with Dan P. Norris, SA4:Aug 69:715:6735
Dsc: Rein Laak and Thomas F. Zimmie, SA2:Apr 70:634:7190; John C. Hancock, SA2:Apr 70:636:7190
TR:136:174

Couarrubias, Sergio
See Wai F. Chen, EM5:Oct 71:1413:8421

Coudert, Jean F.
Dsc, with Fredric Raichlen, WW3:Aug 70:737:7443, of "Wave Refraction Near San Pedro Bay, California", WW3:Aug 69:379:6749

Coughlan, Francis P., Jr.
See William Whipple, Jr., SA5:Oct 70:1153:7631

Coughlin, Robert L.
Industrial Waste Surcharges, CWFE:Mar 71:323

Coull, Alexander
Framed Tube Structures for High-Rise Buildings, with Nutan Kumar Subedi, ST8:Aug 71:2097:8301
Dsc, ST7:July 70:1609:7386, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824

Coulter, Carleton, III
Dsc, CO1:July 69:141:6640, of " Outline of Research Requirements for Construction", CO2:Oct 68:233:6189

Coulter, James B.
See Frank A. Butrico, CWFE:Mar 71:93

Cour, Francis R.
Inflection Point Method for Computing Cv, TN:SM5:May 71:827:8087

Cousineau, Robert D.
See Awtar Singh, CE:Aug 71:52

Covington, Dwight A.
See Harry Brenman, PO3:June 70:369:7350

Cowan, Henry J.
Dsc, EM1:Feb 70:101:7044, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3:June 69:531:6604

Cox, Doak C.
Dsc, with L. Stephen Lau and Frank L. Peterson, HY12:Dec 71:2095:8552, of "Hydrology and Geology of Honolulu Aquifer", HY2:Feb 71:233:7910

Cox, Robert G.
Dsc, HY7:July 70:1612:7384, of "Manning n for Cast-in-Place Concrete Pipe", HY3:May 69:995:6575
Dsc, with Charles A. Carlson, HY10:Oct 71:1763:8407, of "Initial Loss for Flood Estimation and Forecasting", HY12:Dec 70:2447:7737

Coyle, Harry M.
Empirical Damping Constants for Sands and Clays, with Gary C. Gibson, SM3:May 70:949:7296
Dsc: Donald M. Burmister, SM2:Feb 71:499:7866
Clo: SM10:Oct 71:1487:8410
TR:136:1275
See Ibrahim H. Sulaiman, SM1:Jan 70:353:6989

Cramer, L. E.
Dsc, IR4:Dec 69:607:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

XUM

Crandall, Keith C.
Demonstration of an Interrelated Data Base, Preprint No.1445, July 71

Crawford, Carl B.
Building Damage From Expansive Steel Slag Backfill, with Kenneth N. Burn, SM6:Nov 69:1325:6879
Dsc: Jacob Feld, SM4:July 70:1470:7385; Milan Spanovich and Richard Fewell, SM5:Sept 70:1808:7499; John J. Bailey, Jr. and Henry M. Reitz, SM5:Sept 70:1810:7499; Logan R. Ritchie, Jr., SM5:Sept 70:1813:7499; Richard E. Gray and Henry A. Salver, SM5:Sept 70:1814:7499; John P. Gnaedinger and Robert J. Gnaedinger, Jr., SM6:Nov 70:2131:7643
Clo: SM7:July 71:1026:8224
TR:136:743
Building Damage from Expansive Steel Slag Backfill, with Kenneth N. Burn, PISST:pp.235-244, 1971
Dsc: Jacob Feld, PISST:pp.244-247, 1971; Milan Spanovich and Richard Fewell, PISST:pp.247-249, 1971; John J. Bailey, Jr. and Henry M. Reitz, PISST:pp.249-252, 1971; Logan R. Ritchie, Jr., PISST:pp.252-253, 1971; Richard E. Gray and Henry A. Salver, PISST:pp.253-256, 1971; John P. Gnaedinger and Robert J. Gnaedinger, Jr., PISST:pp.256-257, 1971
Clo: PISST:pp.258-261, 1971

Crawford, Forrest E.
Management System Saves Highway Maintenance Dollars, CE:Aug 71:36

Crawford, Sherwood F.
Eccentrically Loaded Bolted Connections, with Geoffrey L. Kulak, ST3:Mar 71:765:7956
Dsc: Y. W. Leung and D.J. Laurie Kennedy, ST12:Dec 71:2900:8557; Neil M. Hawkins, ST12:Dec 71:2902:8557

Crews, James E.
Bank Stabilization in Susquehanna River Basin, WW1:Feb 70:87:7061
Dsc: Carl R. Wilder, WW4:Nov 70:863:7645
Clo: WW3:Aug 71:583:8272
TR:136:586

Crickmore, Maurice J.
Effect of Flume Width on Bed-Form Characteristics, HY2:Feb 70:473:7077
Dsc: Li-San Hwang and David Divoky, HY2:Feb 71:353:7863
Clo: HY2:Feb 71:358:7863
TR:136:498

Crites, Ronald W.
See Daniel F. Seidel, SA2:Apr 70:267:7211

Cromer, Charles C.
Dynamic Buckling of Cylindrical Shell, with Robert E. Ball, EM3:June 71:657:8187

Cronk, Duane L.
Dsc, with Edmund S. Muskie, Robert Taft, Jr., Peter C. Kohnke and Victor H. Weidmann, CE:Apr 71:40, on Population and People, CE:Dec 70:27

Crooker, James O.
Reticulated Space Structures, with Kenneth P. Buchert, ST3:Mar 70:687:7180
TR:136:854

Crosby, Albert B.
Grouting Preplaced Aggregate to Form Concrete, Preprint No.1523, Oct 71

Crose, James G.
Bandwidth Minimization of Stiffness Matrices, TN: EM1:Feb 71:163:7858

Cross, Ralph H.
Collection of Oil Slicks, with David P. Hoult, WW2:May 71:313:8122
Oil Booms in Tidal Currents, with David P. Hoult, 12CEC:pp.1745-1758, 1971

Cross, Ralph, III
See Richard Robbins, TN: WW1:Feb 71:235:7891

Cruz, Paulo T.
See Carlos M. Nieble, 4PSCM:pp.167-177, 1971

Csallany, Sandor C.
See Wyndham J. Roberts, SA6:Dec 70:1349:7745

Cuccioli, Robert
Longest Prestressed Girders for New York City Bridge, CE:Apr 71:72

Cullingford, Graham
Dsc, with David Scott, CO1:June 70:85:7308, of "Building Construction Games-General Description", CO1:July 69:1:6645

Culp, Gordon L.
Tube Clarification Process, Operating Experiences, with Kou-ying Hsiung and Walter R. Conley, SA5:Oct 69:829:6823
Dsc: Richard I. Dick, SA4:Aug 70:1009:7441
Clo: SA1:Feb 71:103:7865
TR:136:198

Culver, Charles G.
Inelastic Flange Buckling of Curved Plate Girders, with Ghulam Nasir, ST4:Apr 71:1239:8072
Local Instability of Horizontally Curved Members, with Ralph E. Frampton, ST2:Feb 70:245:7079
TR:136:553
Static Model Tests of Curved Girder Bridge, with Paul P. Christiano, ST8:Aug 69:1599:6712
Dsc: Chen Pang Tan and Sidney Shore, ST4:Apr 70:860:7191
Clo: ST10:Oct 70:2232:7570
TR:136:84
Strength of Structural Members Subjected to Fires, Preprint No.1542, Oct 71
Dsc, ST9:Sept 71:2446:8348, of "Progress Report on Steel Box Girder Bridges, Subcommittee on Box Girders of the ASCE-AASHO Task Committee on Flexural Members", ST4:Apr 71:1175:8068
See Paul F. McManus, ST6:June 69:1233:6623
See Paul P. Christiano, ST8:Aug 69:1615:6713

Cunge, Jean Andre
See Dino Zanobetti, WW2:May 70:181:7259

Cunningham, Paul R.
See Edward A. Cecil, Preprint No.1540, Oct 71

Currie, Iain G.
See Ronald T. Hartlen, EM5:Oct 70:577:7606

Curth, Otto E.
See John F. Wiss, ST7:July 70:1461:7413

Curtis, C. A.
See C. E. Law, Preprint No.1465, July 71

Curtis, Robin P.
See John D. Lawson, HY7:July 70:1632:7384

Cusack, John J.
Effect of Changes in Civil Engineering Profession, PP1:Sept 70:107:7563
TR:136:1142

Cusens, Anthony R.
See Yew-Chaye Loo, ST8:Aug 70:1848:7442

Custer, Stephen W.
Stochastic Model for BOD and DO in Estuaries, with Richard G. Krutchkoff, SA5:Oct 69:865:6834
TR:136:784

Cymbalista, Samuel
See Hillel I. Shuval, NSCD:pp.429-452, 1971

DaCosta, Pedro C.C.
Effect of Urbanization on Storm Water Peak Flows, SA2:Apr 70:187:7198
Errata: SA1:Feb 71:105:7865
TR:13:503

Da Cunha, L. Veiga
Dsc, HY8:Aug 70:1742:7439, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891

Dagan, Gedeon
Dispersivity Tensor for Uniform Channel Flow, HY5: Sept 69:1699:6794
Dsc: Hugo B. Fischer, HY4:Apr 70:1096:7189
Clo: HY10:Oct 70:2123:7568
TR:136:202

Dague, Richard R.
Dsc, SA6:Dec 69:1194:6931, of "Dynamic Model of the Anaerobic Digestion Process", SA1:Feb 69:95: 6418

Dahms, Lawrence D.
Let's Make the Needs Known so Someone Will Do Something About Them, NA:Mar 71:1

Dai, Yin-Ben
Dsc, WW4:Nov 69:595:6869, of "On Wave Damping in Harbors", WW4:Nov 68:489:6241

Dais, Jack L.
Soil Indentation by Translating Flanged Plate, EM4: Aug 71:1057:8285

Daigliesh, W. Alan
Treatment of Peak Gusts on Cladding, ST9:Sept 71: 2173:8356
Dsc, with Howard S. Ward, ST4:Apr 71:1370:8015, of "Wind Deflection of Tall Concrete Frame Buildings", ST7:July 70:1461:7413

Dallaire, Eugene E.
Cellular Steel Floors Mature, CE:July 71:70
Lindenwold Line: A Model for Rail Rapid Transit, CE:Sept 70:90
Dsc: Train Control Systems, E. P. Foley, CE:Jan 71:64
TR:136:820
Ocean Dumping: What and Where, If at All?, CE: Nov 71:58
Short-range EDM: Big Boost for Surveyors, CE:Feb 71:69
Thermal-Pollution Threat Draws Nearer, CE:Oct 70: 67
TR:136:1093
The U.S. Water Quality Program: Desperate Need for Planning Research, CE:Sept 71:63
The U.S. Water Quality Program Part II, CE:Oct 71: 81

Dalrymple, Robert A.
An Offshore Beach Nourishment Scheme, 12CEC: pp.955-966, 1971
Dsc, with Robert G. Dean, WW2:May 71:423:8086, of "Piling-Up Behind Low and Submerged Permeable Breakwaters", WW2:May 70:359:7283
See Robert G. Dean, WW3:Aug 70:733:7443
See R. K. Price, 12CEC:pp.1813-1825, 1971

Dalton, Robert E.
See William S. Gaither, WW2:May 69:131:6549

Daly, Cyril E.
See Richard L. Fiske, Preprint No.1305, Jan 71

Damours, Leon W.
The Lower Mekong Development Program, CE:July 70:58
TR:136:541

Dandekar, Mohan M.
Dsc, HY9:Sept 70:1905:7497, of "Limit Slope in Uniform Computations", HY1:Jan 70:95:7011
Dsc, HY9:Sept 71:1569:8345, of "Hydraulic Jump Within Gradually Expanding Channel", HY1:Jan 71:31:7831
Dsc, HY12:Dec 71:2107:8552, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994

Dang, Arthur
See Charles Seim, Preprint No.1352, Jan 71
See Charles Seim, Preprint No.1402, Apr 71

d'Angremond, K.
Use of Asphalt in Breakwater Construction, with H. J. Th. Span, J. van der Weide and A. J. Woestenenk, 12CEC:pp.1601-1627, 1971

Daniels, J. Hartley
Behavior of Composite-Beam to Column Joints, with Geoffrey D. Kroll and John W. Fisher, ST3:Mar 70:671:7173
TR:136:616
See Pavel J. Marek, ST4:Apr 71:1081:8067

Dannemann, Robert W.
Dsc, ST12:Dec 71:2929:8557, of "Behavior of Continuous Crane Rails", ST4:Apr 71:1081:8067

Danziger, Norman H.
Developing a Handbook for Subway Ventilation, Preprint No.1520, July 71

D'Appolonia, David J.
Effects of Foundation Construction on Nearby Structures, 4PCSM:pp.189-236, 1971
Evaluation of Pore Pressures Beneath and Embankment, with T. William Lambe and Harry G. Poulos, SM6:June 71:881:8213
Floating Foundations for Control of Settlement, with T. William Lambe, SM6:June 71:899:8215
Dsc: Ulrich W. Stoll, SM10:Oct 71:1508:8410
Initial Settlement of Structures on Clay, with Harry G. Poulos and Charles C. Ladd, SM10:Oct 71: 1359:8438
Method for Predicting Initial Settlement, with T. William Lambe, SM2:Mar 70:523:7167
Dsc: Chandrakant S. Desai, SM6:Nov 70:2153: 7643
TR:136:808
Performance of Four Foundations on End Bearing Piles, with T. William Lambe, SM1:Jan 71:77:7807
Dsc: Donald J. Hagerty, SM7:July 71:1043:8224; Harry G. Poulos, SM9:Sept 71:1343:8347; Leslie S. Rolko, SM10:Oct 71:1500:8410

D'Appolonia, Elio E.
Dynamic LoadingP, PISST:pp.141-164, 1971
Dynamic Loadings, SM1:Jan 70:49:7010
TR:136:429
A View of the Practice of Foundation Engineering in the United States, with John C. Regan, 4PCSM: pp.365-378, 1971
See Richard D. Ellison, SM4:Apr 71:661:8052

Darragh, Robert D.
See Thomas D. Wosser, CE:Mar 70:65

Daruwalla, M. P.
Crude Storage: Tanks or Caverns?, with J. N. Hagg, CE:Apr 71:38

Darvas, Louis A.
Dsc, HY6:Nov 69:2158:6866, of "Reducing Cavitation in Valves", HY6:Nov 68:1475:6255
Dsc, HY8:Aug 71:1246:8267, of "Performance and Design of Labyrinth Weirs", HY11:Nov 70:2337: 7691
Dsc, HY10:Oct 71:1769:8407, of "Cavitation Parameters for Outlet Valves", HY12:Dec 70:2519: 7771

Das, M. M.
Waves Generated by Large Ships and Small Boats, with J. W. Johnson, 12CEC:pp.2281-2286, 1971

XUM

Das, Y. C.
See N. S. V. Kameswara Rao, EM2:Apr 71:271:8034

DaSilveira, Icarahy
Dsc, SM3:May 70:1056:7249, of "Field Studies of Response of Peat to Plate Loading", SM4:July 69:949:6652
Dsc, IR2:June 70:224:7311, of "Transient Functions for Land Drainage", IR3:Sept 69:361:6768

Dattatri, Jade
Wave Forecasting for the West Coast of India, with P. S. Renukaradhya, 12CEC:pp.203-215, 1971
Wave Forecasting for the West Coast of India, with P. S. Renukaradhya, WW3:Aug 71:505:8303

Davenport, Alan G.
On the Statistical Prediction of Structural Performance in the Wind Environment, Preprint No.1420, Apr 71
Dsc, with Michael Hogan, ST6:June 71:1807:815, of "Wind Deflection of Tall Concrete Frame Buildings", ST7:July 70:1461:7413
See Milos Novak, EM1:Feb 70:17:7076
See Salman H. Abu-Sitta, ST9:Sept 70:1889:7524
See Peter W. Chen, Preprint No.1404, Apr 71
See Peter W. Chen, ST11:Nov 71:2679:8526

David, Wilfredo P.
Predicting Irrigation Requirements of Crops, with Edward A. Hiler, IR3:Sept 70:241:7507
Clo: IR3:Sept 71:534:8346
TR:136:1037

Davidson, Bruce M.
Space Consumption - The Emphysema of Transportation, Preprint No.1503, July 71

Davidson, Jack R.
See Howard C. Hogg, IR1:Mar 69:127:6448

Davidson, John L.
See Milton E. Harr, SM4:July 69:933:6651

Davinroy, Thomas B.
Density Altitude Variations and Runway Length, TE4:Nov 71:591:8512

Davis, Calvin V.
Dsc, IR4:Dec 69:616:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Davis, Charles
Unified Baggage Handling Systems at Seattle-Tacoma, Preprint No.1452, July 71

Davis, Charles S.
See Neal B. H. Benjamin, Preprint No.1551, Oct 71

Davis, E. M.
Enteric and Pathogenic Bacteria Dieoff Effects by Algae, with M. Pen and Earnest F. Gloyna, NSCD:pp.539-561, 1971

Davis, Edward H.
Bearing Capacity of Anisotropic Cohesive Soil, with John T. Christian, SM5:May 71:753:8146
Dsc, with Harry G. Poulos, SM1:Jan 70:334:6989, of "An Analysis of Consolidation Theories", SM1:Jan 69:285:6370
See Anwar E.Z. Wissa, SM10:Oct 71:1393:8447

Davis, John P.
Problems of Inland Waterway Lock Dimensions, WW2:May 70:451:7295
Dsc: Bruce Barker and Gerald D. Seinwill, WW4:Nov 70:874:7645; Sol M. Gleser, WW1:Feb 71:223:7868; Carl H. Guam, WW2:May 71:428:8086
Tonnage Capacity of Locks, WW2:May 69:201:6577
Dsc: Alan R. Chandler, WW4:Nov 69:602:6869; Eric E. Bottoms, WW1:Feb 70:161:7049
Clo: WW3:Aug 70:729:7443
TR:136:134
Dsc, TE1:Feb 70:121:7048, of "Economic Location of Locks", TE1:Feb 69:77:6397

Davis, Philip K.
Wall Effect on a Sphere in a Rotating Viscous Fluid, HY10:Oct 70:2019:7625
TR:136:1052

Davis, Raymond Eugene
Structural Behavior of Concrete Arch Culvert, ST12:Dec 69:2665:6942
Dsc: Pablo Girault, ST7:July 70:1620:7386; Alfred E. Bacher, ST9:Sept 70:1970:7567
Clo: ST4:Apr 71:1348:8015
TR:136:430

Davis, Robert C.
Dsc, SM9:Sept 71:1348:8347, of "Aging Effects on Swell Potential of Compacted Clays", SM3:Mar 71:529:7951

Davis, Sterling
Subsurface Irrigation Easily Automated, with Sheldon D. Nelson, IR1:Mar 70:47:7135
TR:136:483

Davisson, Melvin T.
Model Study of Laterally Loaded Piles, with James R. Salley, SM5:Sept 70:1605:7511
Dsc: Osman A. El-Ghamry and Hsai-Yang Fang, SM4:Apr 71:700:8014; P. J. Pise, SM5:May 71:813:8083; Sol M. Gleser, SM6:June 71:936:8158
See M. Alizadeh, SM5:Sept 70:1583:7510

Dawdy, D. R.
See E. R. Close, ST5:May 70:1167:7297

Dawes, Julius H.
Tools for Water-Resource Study, IR4:Dec 70:403:7720
TR:136:1265

Dawkins, William P.
See Hudson Matlock, EM4:Aug 71:1083:8282

Dawson, R. G.
See A. C. Walker, ST6:June 70:1250:7314

Day, George E.
Steel Penstock Design For Tims Ford Dam, with Horace S. Beckner, PO1:Jan 71:203:7803
Dsc, with Horace S. Beckner, PO1:Jan 71:250:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034

Dayaratnam, P.
See S. Venkateswara Rao, ST9:Sept 71:2431:8348

De, Harihar
Dsc, with George R. Sinclair, ST10:Oct 71:2610:8411, of "Computer's Role in Transmission Line Design", ST1:Jan 71:63:7817

de Ambrosis, L. P.
See Harry G. Poulos, SM7:July 71:1040:8224

Dean, Donald L.
Field Solutions for Shear Grids, ST12:Dec 71:2845:8594
Macro Approach to Discrete Field Analysis, with Hota V.S. GangaRao, EM4:Aug 70:377:7463
Errata: EM3:June 71:1022:8154
TR:136:996

Dean, Robert G.
Relative Validities of Water Wave Theories, WW1: Feb 70:105:7092
Dsc: P. Suryaprakasa and C. P. Mohamed, WW1: Feb 71:212:7868
TR:136:794
Dsc, with Robert A. Dalrymple, WW3:Aug 70:733: 7443, of "Ocean Wave Forces on a Subsurface Sphere", WW3:Aug 69:291:6722
See R. K. Price, 12CEC:pp.1813-1825, 1971
See Robert A. Dalrymple, WW2:May 71:423:8086

de A. Queiroz, Lincoln
Seepage Control in the Rio Jaguari Dam and Dike, with Hamilton G. de Oliveira, Ruy Taiji Mori and Francisco Nazario, 4PCSM:pp.293-305, 1971

Dearinger, John A.
See J. David Reynolds, SU1:Apr 70:87:7228

Deb, Arun K.
Numerical Solution of Filtration Equations, SA2:Apr 70:195:7199
Dsc: Kenneth J. Ives, SA6:Dec 70:1445:7713
Clo: SA6:Dec 71:929:8555
Optimization in Design of Hydraulic Network, with Asok K. Sarkar, SA2:Apr 71:141:8032
Dsc: Jon C. Liebman and Earl D. Brill, Jr., SA5: Oct 71:786:8409; Grahame G. Boyne, SA6:Dec 71:945:8555; Santosh R. Goswami, SA6:Dec 71: 946:8555
Theory of Sand Filtration, SA3:June 69:399:6593
Dsc: Shyam S. Mohanka and Adnan Gur, SA1: Feb 70:183:7046; Kenneth J. Ives, SA1:Feb 70: 185:7046; Albert M. Wright and Michael C. Kavanaugh, SA2:Apr 70:620:7190
Clo: SA6:Dec 70:1437:7713
TR:136:62
Dsc, SA5:Oct 70:1282:7569, of "Theory of Multilayer Filtration", SA6:Dec 69:1079:6959
Dsc, SA6:Dec 71:949:8555, of "Least Cost Sand Design for Iron Removal", SA2:Apr 71:171:8060

DeBoer, Darrell W.
See Glenn O. Schwab, IR1:Mar 69:199:6480

de Carvalho, Manuel Mendes
Spectral Computations on Pressure Wave Gauge Records, with Fernando Silveira Ramos and Carlos de Campos Moraes, 12CEC:pp.65-83, 1971

Decker, Edwin R.
Replacement-Lock and Dam No. 26: History, Objectives and Scope, WW1:Feb 70:1:7070
TR:136:1183

DeCoursey, Donn G.
Flow Analysis of Large Triangular Weir, with Bruce J. Blanchard, HY7:July 70:1435:7405
Dsc: Frederic T. Mavis, HY12:Dec 70:2675:7711; Gaylord V. Skogerboe and Wynn R. Walker, HY4:Apr 71:609:8012; T. R. Chandrasekhara and S. Venkataramana, HY5:May 71:736:8081

DeDecker, R. William
See Bernard L. Fry, TE3:Aug 71:411:8277

Dee, Dennis M.
See Robert L. Wiegel, WW2:May 70:307:7279

Deen, Thomas B.
Planning for the Metro, TE3:Aug 70:349:7476
TR:136:1136

Deere, Don U.
Slope Stability in Residual Soils, with F. D. Patton, 4PCSM:pp.87-170, 1971
See Reymond L. Nordlund, SM2:Mar 70:585:7172

De Fazio, Frank G.
See C. Samuel Martin, HY6:Nov 69:2049:6911

DeFilippi, John A.
See Chia Shun Shih, SA2:Apr 70:409:7230

De Fries, Christian K.
High Fills Resting on Residual Soils (in Spanish), with Edgar Pardo Stolk, 4PCSM:pp.153-166, 1971

DeGeare, Truett V.
Empirical Analysis of Commercial Solid Waste Generation, with Jerry E. Ongerth, SA6:Dec 71: 843:8589

DeGeer, Myron W.
Control of Natural Chloride, Arkansas-Red Rivers, with Robert J. Hensley, Preprint No.1299, Jan 71
Control of Natural Chloride, Arkansas-Red Rivers, with Robert J. Hensley, WW4:Nov 71:631:8494
See William C. Galegar, SA6:Dec 69:1097:6973

Deininger, Rolf A.
Regional Waste Water Treatment Systems, with Shaw Y. Su, Preprint No.1536, Oct 71
See Norbert A. Jaworski, SA3:June 70:727:7361

de Jong, Remy L. A.
Dsc, HY12:Dec 71:2113:8552, of "Eddy Formation Behind Circular Cylinders", HY6:June 71:763:8170

DeKeyser, William R.
Dsc, TE4:Oct 70:656:7642, of "Research Needs in Air Transportation by the Committee on Research of the Aero Space Division", TE1:Feb 70:45:7091

de la Cruz, Catalino del Rosario
See Richard Silvester, WW2:May 70:201:7260

Delaney, John E.
Bactericidal Properties of Chlorsulfamates, with J. Carrell Morris, NSCD:pp.61-84, 1971

De Leuw, Charles E.
Esthetics of Urban Transportation Facilities, TE1:Feb 69:23:6390
Dsc: David C. Colony, TE1:Feb 70:115:7048
Clo: TE3:Aug 70:434:7440
TR:136:4

Delfino, Joseph J.
See Patrick L. Brezonik, SA5:Oct 69:929:6850

Dellaway, T. K.
See David R. Miller, Preprint No.1457, July 71

Delleur, Jaques W.
Fortran-Hydro, with Gerrit H. Toebes, HY6:Nov 69: 1993:6901
Dsc: Michael K. Householder, HY5:May 70:1227: 7248
Clo: HY4:Apr 71:580:8012
TR:136:299

de Mello, Victor F. B.
The Standard Penetration Test, 4PCSM:pp.1-86, 1971

Demers, Jean-Guy
Montreal Boasts Cable-Stayed Bridge, with Ole Simonsen, CE:Aug 71:59

Dendy, Bill B.
See Virgil Whiteley, SA5:Oct 68:841:6149

de Neufville, Richard
The Identification of Transportation Demand, with Joseph H. Stafford, UT1:pp.281-305, 1971
Optimal Highway Staging by Dynamic Programming, with Yasuo Mori, TE1:Feb 70:11:7080
TR:136:1223
Systems Analysis of Water Distribution Networks, with John C. Schaake, Jr. and Joseph H. Stafford, SA6:Dec 71:825:8575
Dsc, TE4:Nov 71:715:8486, of "Optimal Selection of Flexible Pavement Components", TE2:Feb 71:1: 7877

de Oliveira, Hamilton G.
See Lincoln de A. Queiroz, 4PCSM:pp.293-305, 1971

XUM

de Oliveira, J. Tiago
Dsc, ST4:Apr 70:856:7191, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389:6667

de Paiva, H A. Rawdon
See E. Ramzy F. Zaghlool, ST3:Mar 70:487:7147

Derrick, Clarence J.
Dsc, CE:Dec 71:71, on Earthquake-Resistant Reinforced-Concrete Buildings, CE:Aug 71:32

Derteano, Felipe U.
Basic Contemporary Urban Problems, UP2:Oct 70:133:7608
Dsc: Charles O. Quade, UP2:Dec 71:244:8558

de Ruiter, Jacobus
Electric Penetrometer For Site Investigations, SM2:Feb 71:457:7907
Dsc: Guy Sanglerat, SM11:Nov 71:1601:8484

Desai, Chandrakant S.
Analysis of Circular Footings on Layered Soils, with Lymon C. Reese, SM4:July 70:1289:7408
Dsc: Kalidas Banerjee, SM2:Feb 71:510:7866; Jean-Pierre Giroud, SM5:May 71:806:8083
Clo: SM12:Dec 71:1709:8556
Nonlinear Analysis Using Spline Functions, SM10:Oct 71:1461:8462
Unconfined Transient Seepage in Sloping Banks, with Walter C. Sherman, Jr., SM2:Feb 71:357:7915
Dsc, SM6:Nov 70:2153:7643, of "Method for Predicting Initial Settlement", SM2:Mar 70:523:7167
Dsc, with D. M. Holloway, SM5:May 71:817:8083, of "Nonlinear Analysis of Stress and Strain in Soils", SM5:Sept 70:1629:7513

DeSalvo, Joseph M.
International Abstracts Section, Committee on Information Retrieval, SA8:Aug 71:1145:8341
International Abstracts Selection, Committee on Information Retrieval, SM1:Jan 71:313:7848

Desaulniers, G.
Dsc, with Marcel Frenette, HY11:Nov 70:2380:7641, of "Bed Topography Effect on Flow in a Meander", HY1:Jan 70:57:7003

Desayi, Prakash
See K.T. Sundara Raja Iyengar, ST3:Mar 71:1003:7944

Deschapelles, Bernardo J.
Analytical Model for Lateral Load Effect on Buildings, ST6:June 70:1025:7328
Dsc: D. Melville Porter, ST3:Mar 71:978:7944
Clo: ST11:Nov 71:2753:8485
TR:136:1302

DeSimone, Salvatore V.
Performance of Two Mat Foundations on Boston Blue Clay, with James P. Gould, Preprint No.1567, Oct 71

Desimone, Vincent R.
The 4-Day Work Week and Transportatioi, Preprint No.1480, July 71

DeSomer, Marc
Dsc, with Jean Berlamont, HY12:Dec 70:2638:7711, of "Survey of Programs for Water-Surface Profiles", HY2:Feb 70:547:7098

DeVries, Johannes J.
See Jaime Amorocho, HY1:Jan 71:81:7791

Dewar, Edgar J.
Fixed Resin Bed Chlorination of Water, with Morris Wayman, NSCD:pp.453-468, 1971

DeWitt, Joseph W.
See Frank H. Posey, Jr., PO1:Jan 70:173:7041

Dezfulian, Houshang
Response of Nonuniform Soil Deposits to Traveling Seismic Waves, with H. Bolton Seed, SM1:Jan 71:27:7808
Seismic Response of Soil Deposits Underlain by Sloping Rock Boundaries, with H. Bolton Seed, SM6:Nov 70:1893:7659
TR:136:1330

Dhabadgaonkar, S. M.
See S. D. Shangarpawar, SA6:Dec 71:948:8555

Dhalla, Asfandiar K.
Connections in Thin Low-ductility Steels, with Samuel J. Errera and George Winter, ST10:Oct 71:2549:8442

Diamond, Sidney
See Asuri Sridharan, SM5:May 71:771:8151

Diaper, Ernest W.J.
Dsc, SA4:Aug 69:782:6706, of "Filtration Through a Trimedia Filter", SA3:June 68:521:6014

Diaz, Jesse M.
Vibration Analysis of Pump Discharge Lines, with Ravinder K. Jain, HY11:Nov 70:2279:7678
TR:136:1286

Dibaj, Mostafa
Responses of Earth Dams to Traveling Seismic Waves, with Joseph Penzien, SM2:Mar 69:541:6453
TR:136:691

Di Carlo, Antonio
See Raffaele Casaciario, EM5:Oct 71:1560:8406

Dick, Richard I.
Role of Activated Sludge Final Settling Tanks, SA2:Apr 70:423:7231
Dsc: Kuan M. Yao, SA5:Oct 70:1289:7569; Alonzo W. Lawrence and Thomas R. Milnes, SA1:Feb 71:121:7865
Clo: SA5:Oct 71:759:8409
TR:136:1261
Dsc, SA2:Apr 70:638:7190, of "Low Temperature Activated Sludge Settling", SA4:Aug 69:747:6747
Dsc, SA2:Apr 70:1268:7569, of "Agglomerate Size Changes in Coagulation", SA3:June 69:481:6605
Dsc, SA4:Aug 70:1009:7441, of "Tube Clarification Process, Operating Experiences", SA5:Oct 69:829:6823
Dsc, with Ali R. Javaheri, SA2:Apr 71:234:8013, of "Unified Basis for Biological Treatment Design and Operation", SA3:June 70:757:7365
Dsc, SA2:Apr 71:238:8013, of "Estimation of Sludge Centrifuge Performance", SA.3:June 70:805:7378
Dsc, SA6:Dec 71:942:8555, of "Shearing Effects On Settling of Activated Sludge", SA1:Feb 71:59:7926

Dicker, Daniel
Aeroelastic Stability of Unstiffened Suspension Bridges, EM6:Dec 71:1677:8615
Point Pleasant Bridge Collapse Mechanism Analyzed, CE:July 71:61

Dickey, John W.
Staging of Highway Improvements for Urban Growth, with Martin P. Azola, Preprint No.1512, July 71

Dickie, James F.
Stability Criteria for Shallow Arches, with Peter Broughton, EM3:June 71:951:8217

Dickin, Edward A.
See George J. W. King, SM5:Sept 70:1697:7516

Dienhart, Arthur V.
Barge-Coal Handling at A.S. King Generating Plant, with Norris R. Fitch, PO3:June 70:299:7322
TR:136:500

Dikkers, Robert D.
See Felix Y. Yokel, ST5:May 71:1593:8143

DiMaggio, Frank L.
Material Model for Granular Soils, with Ivan S. Sandler, EM3:June 71:935:8212

Dinakaran, M.
See K. K. Ghosh, TE1:Feb 70:87:7108

Diskin, Mordechai H.
Piling-Up Behind Low and Submerged Permeable Breakwaters, with Michael L. Vajda and Illan Amir, WW2:May 70:359:7283
Dsc: Michael R. Gourlay, WW1:Feb 71:219:7868; Robert A. Dalrymple and Robert G. Dean, WW2:May 71:423:8086
Dsc, IR2:June 71:334:8156, of "Friction Factors for Corrugated Plastic Tubing", IR3:Sept 70:265:7531

Disko, Michael D.
Mathematical Model of Mixing in New Haven Harbor, with Robert A. Norris and Francis C. Lutz, 12CEC:pp.1847-1866, 1971

Distefano, Nestor
Solution of Elastic Plates by Invariant Imbedding, with Jaime Schujman, EM5:Oct 71:1349:8424

Di Toro, Dominic M.
Maximum Entropy Mixing in Estuaries, TE4:July 69:1247:6885
TR:136:981
See Donald J. O'Connor, SA2:Apr 70:547:7240

Dittmer, Russell S.
Land Acquistion Surveys and Maps for Reservoirs, SU2:Nov 71:215:8500

Divoky, David
See Li-San Hwang, 12CEC:pp.377-389, 1971
See Li-San Hwang, HY2:Feb 71:353:7863
See Li-San Hwang, WW2:May 71:412:8086

Dixon, Neal P.
Graphic Dissolved Oxygen Computation, CE:Mar 71:60
Dsc: Santosh R. Goswami, CE:Sept 71:67; Correction, Eugene T. Taggart, CE:June 71:40
Errata: Water Quality, Neal P. Dixon, CE:Sept 71:67

Dixon, Schaefer J.
Engineers Salaries: What California Is Doing, with L. Lawrence Lewis, CE:June 70:56
Dsc: Engineering Salaries in New York, Thomas Cheswick, CE:Jan 71:45
TR:136:454

D. Liam, W. Liam
Dsc, with Peter M. Byrne and F. Bucher, SM5:May 71:808:8083, of "Plane Strain Consolidation by Finite Elements", SM4:July 70:1435:7437

Dobbs, Michael W.
Optimization of Truss Geometry, with Lewis P. Felton, ST10:Oct 69:2105:6797
TR:136:236

Dobry, Ricardo
Dynamic Cone and Standard Penetration Test in Silty Sands (In Spanish), 4PCSM:pp.1-13, 1971
Dsc, EM5:Oct 71:1577:8406, of "Steady-State Response of Yielding Shear Structure", EM6:Dec 70:1209:7774

Dockey, James M.
The Civil Engineer as a Sales Engineer, CE:Feb 71:78
Dsc: John E. Stickney, CE:May 71:78

Dodd, Jerry S.
See Gilbert L. Brown, SM1:Jan 71:119:7820

Dodge, James C.I.
Dsc, with Brian J. Garvey, HY9:Sept 70:1888:7497, of "Data Error Effects in Unit Hydrograph Derivation", HY6:Nov 69:1899:6887
Dsc, HY10:Oct 70:2139:7568, of "Manning Formula-A Misnomer", HY1:Jan 70:193:7036

Dodge, Robert O.
Design of Columbia River Pile Dikes, WW2:May 71:323:8142
Design of Columbia River Pile Dikes, Preprint No.1424, July 71

Dolan, Charles W.
See Robert F. Mast, Preprint No.1510, July 71

Dolan, Terry M.
Role of Engineering Students in the Community, Preprint No.1455, July 71

Domaschuk, Leonard
A Study of Bulk and Shear Moduli of a Sand, with Neil H. Wade, SM2:Mar 69:561:6461
Dsc: Chiyyarath V. Girijavallabhan, SM1:Jan 70:350:6989; R. N. Chowdhury, SM1:Jan 70:351:6989
Clo: SM2:Feb 71:475:7866
TR:136:64

Dominy, Floyd E.
Role of Irrigation in the West's Expanding Economy, IR4:Dec 68:401:6281
Dsc: L. E. Cramer, IR4:Dec 69:607:6930; John P. Buehler, IR4:Dec 69:609:6930; Mel A. Hagood, IR4:Dec 69:610:6930; Joel B. Justin, IR4:Dec 69:610:6930; William E. Martin, Robert A. Young, Maurice M. Kelso and Jimmye S. Hillman, IR4:Dec 69:611:6930; Calvin V. Davis, IR4:Dec 69:616:6930; Alfred R. Golze, IR4:Dec 69:617:6930; George D. Clyde, IR4:Dec 69:620:6930; Eugene B. Waggoner, IR4:Dec 69:621:6930; Leo R. Gray, IR2:June 70:223:7311
TR:136:579

Dondanville, Laurence A.
Designing Arterial Streets for Safety, TE1:Feb 71:43:7885

Dong, Stanley B.
See Antone F. Sayegh, EM4:Aug 70:471:7495

Dong, Yen H.
World's Largest Log-Periodic Antenna, ST9:Sept 71:2371:8400

Donham, Bob J.
See L. P. Reinig, Preprint No.1304, Jan 71

Donovan, Thomas K.
See Vincent P. Olivieri, NSCD:pp.365-384, 1971
See Vincent P. Olivieri, SA5:Oct 71:661:8419

Dotson, James L.
Dsc, CE:Jan 71:71, on A Hard Look at Civil Engineering Salaries, CE:May 70:33

Dougherty, Murray T.
See Alfred C. Ackenheil, SM1:Jan 70:251:7042

Douglas, Arthur G.
See Orlando B. Andersland, SM3:May 70:1073:7249

Douglas, James
Dsc, with John W. Fondahl, Clarkson H. Oglesby and Henry W. Parker, CO1:July 69:142:6640, of "Outline of Research Requirements for Construction", CO2:Oct 68:233:6189

XUM

Douglas, Walter S.
Design of Seismic Joint for San Francisco Bay Tunnel, with Robert Warshaw, ST4:Apr 71:1129: 8040

Douglas, William J.
Silver Iodide Generators and Public Health, IR3:Sept 70:273:7535
TR:136:1161

Douty, Richard
Technique for Interactive Computer Graphics in Design, with Sidney Shore, ST1:Jan 71:273:7837

Dowling, George B.
See John B. Ciani, SU2:Nov 71:149:8496

Doyle, W. Harry, Jr.
Sediment Deposition in a Former Distributary, Preprint No.1300, Jan 71

Dracos, Themistocles A.
Stability Criteria for Open-Channel Flow, with Bard Glenne, HY6:Nov 67:79:5566
Errata: HY8:Aug 70:1713:7439
TR:136:8

Drake, Joseph S.
Issues in Statewide Transportation Planning, with Lester A. Hoel, TE3:Aug 70:379:7480
TR:136:1072

Draper, Laurence
The Canadian Wave Climate Study - the Formative Year, 12CEC:pp.1-11, 1971

Drenick, Rudolf F.
Model-free Design of Aseismic Structures, EM4:Aug 70:483:7496
Errata: EM3:June 71:1023:8154
TR:136:1046

Drew, Freeman P.
Recorded Stress Histories in Railroad Bridges, ST12: Dec 68:2713:6288
TR:136:776

Driscoll, George C.
Plastic Design of Multistory Frames by Computer, with James O. Armacost, III and William C. Hansell, ST1:Jan 70:17:6995
Dsc: John Springfield and Peter F. Adams, ST11: Nov 70:2528:7644
Clo: ST6:June 71:1801:8159
TR:136:509

Drissel, John C.
See Kenneth G. Renard, HY3:Mar 70:773:7161

Drnevich, Vincent P.
Dynamic Prestraining of Dry Sand, with Frank E. Richart, Jr., SM2:Mar 70:453:7160
TR:136:592

Drobny, Neil L.
See Robert F. Testin, SA3:June 70:699:7345

Dronkers, J. J.
Research for the Coastal Area of the Delta Region of the Netherlands, 12CEC:pp.1783-1801, 1971
Tidal Computations for Rivers, Coastal Areas and Seas, HY1:Jan 69:29:6341
Errata: HY2:Feb 71:335:7863
TR:136:18

Drucker, D. C.
See Wai F. Chen, EM4:Aug 69:955:6742

Drysdale, Robert G.
Sustained Biaxial Load on Slender Concrete Columns, with Mark W. Huggins, ST5:May 71: 1423:8103

Duane, David B.
Synoptic Observations of Sand Movement, 12CEC: pp.799-813, 1971
See H. R. Brashear, 12CEC:pp.821-830, 1971

Dubey, R. N.
See Pierre F. Lemieux, EM6:Dec 70:1031:7731

Duckstein, Lucien
Dsc, with Chester C. Kisiel, SA6:Dec 71:939:8555, of "Water Reuse Systems Analysis", SA1:Feb 71:41: 7898

Duckstien, Lucien
See Chester C. Kisiel, HY10:Oct 71:1699:8455

Dudek, Conrad L.
Development of a Real-time Freeway Information System, with Carroll J. Messer, Preprint No.1471, July 71

Dudley, Barry D.
Mathematical Modeling of Estuary Salinity Levels, Preprint No.1334, Jan 71

Dudley, Eugene F.
Environmental Aspects of Site Selection, Preprint No.1560, Oct 71

Dudley, John H.
Remote Measurement of Radial Deformations, TN: SM6:June 71:965:8162
Review of Collapsing Soils, SM3:May 70:925:7278
Dsc: Aris C. Stamatopoulos and Panaghiotis C. Kotzias, SM1:Jan 71:262:7785; Hassan A. Sultan, SM1:Jan 71:267:7785; Sachinder N. Gupta, SM2:Feb 71:497:7866; John F. Capps, SM3:Mar 71:586:7943
Clo: SM10:Oct 71:1487:8410
TR:136:1305

Dueker, Kenneth J.
See Colby V. Ardis, HY1:Jan 69:383:6365

Duff, Harvey W.
Dsc, with George C.C. Hsieh, HY7:July 70:1629: 7384, of "Urban Runoff by Road Research Laboratory Method", HY6:Nov 69:1809:6878
Dsc, with George C.C. Hsieh, SA4:Aug 70:1012: 7441, of "Frequency Analysis of Rainfall Intensities for Calcutta", SA6:Dec 69:1013:6950
Dsc, with George C. C. Hsieh, UP2:Oct 70:167:7571, of "Planning Standards for Storm Drainage", UP1: Mar 70:53:7133

Duke, Harold R.
See Nikolas F. White, IR2:June 70:165:7376

Duncan, James M.
Finite Element Analyses of Port Allen Lock, with Gerald W. Clough, SM8:Aug 71:1053:8317
Nonlinear Analysis of Stress and Strain in Soils, with Chin-Yung Chang, SM5:Sept 70:1629:7513
Dsc: Arnoldo J.L. Bolognesi, SM4:Apr 71:702: 8014; Steven I. Majtenyi, SM5:May 71:815: 8083; Chandrakant S. Desai and D. M. Holloway, SM5:May 71:817:8083; Behzad Rohani and N. Radhakrishnan, SM7:July 71: 1037:8224
Errata: SM11:Nov 71:1597:8484
Slopes in Stiff-Fissured Clays and Shales, with Peter Dunlop, SM2:Mar 69:467:6449
Dsc: R. N. Chowdhury, SM1:Jan 70:336:6988; Rowland Richards, Jr., SM1:Jan 70:338:6989; Donald F. Coates, SM1:Jan 70:340:6989
Errata: SM4:Apr 71:681:8014
Clo: SM5:Sept 70:1795:7499
TR:135:969
See Peter Dunlop, SM2:Mar 70:471:7162
See Chin-Yung Chang, SM5:Sept 70:1655:7512
See Gerald W. Clough, SM12:Dec 71:1657:8583

Dunham, James W.
Avalon Transportation Wharf, WW2:May 71:371: 8104

Dunlap, James A.
Nuclear Power Plant Tornado Design Considerations, with Karl Wiedner, PO2:Mar 71:407:7949
Dsc: Melvin W. Jackson, PO4:Dec 71:879:8554

Dunlop, Peter
Development of Failure Around Excavated Slopes, with James M. Duncan, SM2:Mar 70:471:7162
Dsc: Kenji Ishihara, SM6:Nov 70:2152:7643
Clo: SM6:June 71:926:8158
TR:136:608
See James M. Duncan, SM2:Mar 69:467:6449

Dunn, William E.
Dsc, CE:Apr 70:49, on Black People Call for ASCE Social Action, CE:Dec 69:73

Dunnicliff, C. John
Equipment for Field Deformation Measurements, 4PCSM:pp.319-332, 1971

duPlessis, M. P.
Settling Parameter in Solids Pipelining, with R. W. Ansley, PL2:July 67:1:5340
Dsc: David I. H. Barr and John F. Riddell, PL1: Oct 68:175:6133
Clo: TE4:Nov 70:653:7642
TR:136:59

Durelli, August J.
Gravity and Surface-Load Stresses in Spheres, with Vincent J. Parks and Luis Ferrer, EM4:Aug 70:407: 7481
TR:136:1010
Photoelastic Study of Beams on Elastic Foundations, with Vincent J. Parks, Carson K.C. Mok and Han-Chow Lee, ST8:Aug 69:1713:6739
Dsc: Munther J. Haddadin, ST4:Apr 70:864:7191; Ganpat S. Pandit, ST4:Apr 70:870:7191
Clo: ST10:Oct 70:2233:7570
TR:136:110

Durfee, Charles D.
TVA Experience with Concrete Chimney Linings, PO2:Oct 69:193:6826
TR:136:60

Durie, Robert W.
See Asit K. Biswas, Preprint No.1343, Jan 71

Durkee, Jackson L.
Railway Box-girder Bridge Erected by Launching, Preprint No.1416, Apr 71

Durvasula, Somayajulu
Buckling of Simply Supported Skew Plates, EM3: June 71:967:8218

Dutt, Om
Uniqueness Theorem for Nonlinear Plane Frames, with Niels C. Lind, ST6:June 70:1061:7330
TR:136:1306

DuVal, Miles P., Jr.
Dsc, WW4:Nov 70:869:7645, of "Interoceanic Canal Navigation Criteria", WW2:May 70:395:7288

Dvinoff, Arthur H.
Phreatic Surface Location after Drawdown, with Milton E. Harr, SM1:Jan 71:47:7806
Dsc: Reginald A. Barron, SM5:May 71:822:8083; Sivajogi D. Koppula, SM8:Aug 71:1134:8270

Dvoracek, Marvin J.
Artificial Recharge in Water Resources Management, IR2:June 71:219:8185

Dye, Elvis R.
See John H. McGavock, CO1:Mar 71:17:7990

Dye, Forrest Leslie
Memoir of, TR:136:1343

Dyhr-Nielsen, M.
Some Sand Transport Phenomena on Coasts with Bars, with Torben Sorensen, 12CEC:pp.855-865, 1971

Dylla, Anthony S.
See Myron B. Rollins, IR2:June 70:193:7379

Eagelson, P. S.
See M. M. Kolpak, 12CEC:pp.327-343, 1971

Earattupuzha, John J.
See Harihar Raman, HY4:Apr 71:625:8012

Easley, John T.
Buckling of Light-Gage Corrugated Metal Shear Diaphragms, with David E. McFarland, ST7:July 69:1497:6683
Dsc: Arthur H. Nilson, ST12:Dec 69:3004:6932; Vladislav Hlavacek, ST3:Mar 70:740:7116
Clo: ST10:Oct 70:2231:7570
TR:136:189

Easley, R. Andrew, Jr.
Sanitary Sewer Extension Built Above Ground, CE: Apr 71:66

Eberhardt, Andrew
Dsc, PO1:Jan 71:251:7784, of "Wave Propagation in Confined Clay", SM4:July 70:1391:7434
Dsc, PO4:Dec 71:886:8554, of "Safety Inspection Of Hydro Projects-FPC Order 315", PO2:Mar 71:449: 7958

Echelberger, Wayne F., Jr.
Disinfection of Algal Laden Waters, with Joseph L. Pavoni, Philip C. Singer and Mark W. Tenney, NSCD:pp.563-583, 1971
Disinfection of Algal Laden Waters, SA5:Oct 71:721: 8472
See Thomas L. Theis, SA4:Aug 70:1004:7441
See Kurt J. Guter, SA1:Feb 71:109:7865

Eckenfelder, W. Wesley, Jr.
The Design and Economics of Joint Wastewater Treatment Facilities, with Carl E. Adams, Jr., CWFE:Mar 71:291
See Carl E. Adams, Jr., SA2:Apr 70:333:7205
See Srinivasalu Balakrishnan, SA2:Apr 70:501:7236

Eden, Edwin W., Jr.
Interoceanic Canal Navigation Criteria, WW2:May 70:395:7288
Dsc: Miles P. DuVal, Jr., WW4:Nov 70:869:7645; Sol M. Gieser, WW4:Nov 70:872:7645; Charles G. Moody, WW2:May 71:427:8086
Vessel Controllability in Restricted Waters, WW3: Aug 71:475:8310

Edge, Billy L.
Dynamic Structure-Soil Wave Model for Deep Water, with Paul G. Mayer, WW1:Feb 71:167:7889

Edge, Duane E.
Dsc, SM3:May 70:1077:7249, of "Standardization of Particle-Size Ranges", SM5:Sept 69:1247:6795

Edinger, John Eric
Analyzing Steam Electric Power Plant Discharges, with John C. Geyer, SA4:Aug 68:611:6064
TR:136:634
Shape Factors for Cooling Lakes, PO4:Dec 71:861: 8616
See Earl E. Eiker, SA1:Feb 71:116:7865

Edson, Quentin A.
Cowlitz Salmon Hatchery, with Ray J. Banys, PO1: Jan 71:61:7801

XUM

Edwards, Thomas C.
Properties of Pile Cushioning Materials, with Lee L. Lowery, Jr. and Teddy J. Hirsch, ST7:July 69:1431: 6663
TR:136:169
See Hayes E. Ross, Jr., ST6:June 70:1221:7383

Egiazaroff, Ivan
Dsc, WW1:Feb 71:216:7868, of "Self-Stabilizing Tendencies of Alluvial Channels", WW2:May 70: 235:7263

Eguchi, Yasuhiko
See Takeshi Ijima, 12CEC:pp.1537-1556, 1971

Ehrler, O.M. Christof
Nonlinear Parameters of Vibrating Foundations, SM6:Nov 68:1199:6208
Clo: SM7:July 71:1023:8224
TR:136:640

Eichert, Bill S.
Computer Determination of Flow Through Bridges, with John Peters, HY7:July 70:1455:7412
Dsc: Chesley J. Posey, HY5:May 71:736:8081
Clo: HY12:Dec 71:2083:8552
Survey of Programs for Water-Surface Profiles, HY2: Feb 70:547:7098
Dsc: Richard C. Huning, HY9:Sept 70:1915:7497; Ramanand Prasad, HY11:Nov 70:2389:7641; Marc DeSomer and Jean Berlamont, HY12:Dec 70:2638:7711
Clo: HY8:Aug 71:1237:8267
TR:136:1012

Eickhorst, Anson G.
Replacement-Lock and Dam No. 26: Lock Capacity Procedure and Scope, with DuWayne A. Koch, WW1:Feb 70:15:7094
TR:136:445

Eiker, Earl E.
Dsc, with John Eric Edinger, SA1:Feb 71:116:7865, of "Examination of the Thermocline", SA2:Apr 70: 353:7219

Eilers, Richard G.
See Joseph F. Roesler, SA3:June 71:269:8182

Einstein, H. Hans
See Ramaswamy Sakthivadivel, HY2:Feb 70:461: 7075

Einstein, Herbert H.
Selection of Chemical Grout for Mattmark Dam, with Gerold Schnitter, SM6:Nov 70:2007:7684
TR:136:1212

Einsweiler, Robert C.
Metropolitan Planning and Implementation, UP2:Oct 70:113:7581
TR:136:828

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State of the Art-Urban Transportation Systems, TE3: Aug 69:439:6729
TR:136:50

Eitan, Ruben
See Zvi Getzler, SM4:July 70:1357:7431

Ekern, Paul C.
Dsc, HY12:Dec 71:2100:8552, of "Hydrology and Geology of Honolulu Aquifer", HY2:Feb 71:233: 7910

Elango, K.
See M. H. Abdul Khader, HY1:Jan 71:194:7783

El-Bayoumy, Lotfi
Buckling of Clamped Rectangular Plates, EM4:Aug 71:1277:8336

Elder, Rex A.
See Walter O. Wunderlich, HY6:Nov 69:2081:6917
See Svein Vigander, HY2:Feb 70:509:7085
See Walter O. Wunderlich, HY5:May 70:1207:7248

Elfgren, Lennart
Dsc, with Inge Karlsson and Anders Losberg, ST2: Feb 71:729:7867, of "Concrete Beams in Bending, Torsion and Shear", ST5:May 70:885:7270
Dsc, with Inge Karlsson and Anders Losberg, ST3: Mar 71:995:7944, of "What Do We Know About Torsion in Concrete Members", ST6:June 70:1185: 7372

El-Ghamry, Osman A.
Dsc, with Hsai-Yang Fang, SM4:Apr 71:700:8014, of "Model Study of Laterally Loaded Piles", SM5: Sept 70:1605:7511

Elias, Ziad M.
Duality in Finite Element Methods, EM4:Aug 68: 931:6074
TR:136:630
Force Method in Structural Dynamics, Preprint No.1374, Apr 71

Eliassen, Rolf
The Nature of Education in Environmental Engineering at Universities, CWFE:Mar 71:221
Versatility and Expandability of Pretreatment, with D. F. Coburn, SA2:Apr 69:299:6514
TR:136:1038
See George Tchobanoglous, SA2:Apr 70:243:7210

Elliott, Arthur L.
See Robert L. Boulware, CE:Oct 71:42

Elliott, Charles M.
Potamology Data Collection on Lower Mississippi River, WW3:Aug 70:601:7466
Dsc: A. N. Biswas, WW2:May 71:431:8086

Ellis, John
Unsteady Flow in Channel of Variable Cross Section, HY10:Oct 70:1927:7583
Dsc: George Fleming, HY3:Mar 71:475:7940
Clo: HY10:Oct 71:1762:8407
TR:136:1264

Ellis, John S.
See Peter J. Marshall, ST9:Sept 70:1873:7515
See S. Unnikrishna Pillai, ST5:May 71:1399:8094
See John F. Lott, ST5:May 71:1445:8108

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Ellison, Richard D.
Lumped Parameter Beams Based on Impedance Methods, with Elio E. D'Appolonia and Gerald R. Thiers, SM4:Apr 71:661:8052
Dsc: Michael W. O'Neill, SM9:Sept 71:1350: 8347; Harry G. Poulos, SM12:Dec 71:1716: 8556

Ellstein, Abraham
Vertical Stresses Due to Deep Foundations, with Leonard Rapoport, 4PCSM:pp.243-255, 1971

Ellyin, Fernand
Effect of Skew Penetration on Stress Concentration, with Archibald N. Sherbourne, EM6:Dec 68:1317: 6265
Errata: EM1:Feb 71:129:7862
TR:136:37
Elastic-Plastic Behavior of Intersecting Shells, EM1: Feb 69:69:6387
TR:136:701

Elmore, James W.
A Team Approach to Freeway Design, Preprint No.1350, Jan 71

Elms, David G.
Dsc, EM3:June 70:372:7309, of "Hyperboloids of Revolution Supported on Columns", EM.5:Oct 69: 1083:6820
Dsc, ST7:July 70:1607:7386, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824
See John C. Bell, TN: ST7:July 71:2041:8226

El-Sohby, Mohamed A.
Elastic Behavior of Sand, SM6:Nov 69:1393:6916
Dsc: Alan K. Parkin, SM3:May 70:1080:7249 TR:136:320
Dsc, SM12:Dec 71:1711:8556, of "Recoverable Deformation Of Cohesionless Soils", S&M2:Feb 71: 375:7911

Elvers, Douglas A.
Planning Monitoring Frequencies for CPM Projects, CO2:Nov 71:211:8503

Elwood, John R.
Alternate Methods of Wastewater Disinfection, with Russell H. Isaac and Martin Weiss, NSCD:pp.189-201, 1971

Ely, John Andrews
Memoir of, TR:136:1344

Emkin, Leroy Z.
Plastic Design of Multistory Steel Frames by Computer, with William A. Litle, ST1:Nov 70:2373: 7689
Dsc: Peter F. Adams, ST10:Oct 71:2606:8411

Emrich, William J.
See Bramlette McClelland, SM6:Nov 69:1491:6913

Endesa, Andres Perez M.
Circular Discontinuously Braced Excavation (In Spanish), 4PCSM:pp.203-209, 1971

Engelbrecht, Richard S.
See Malay Chaudhuri, SA1:Feb 71:118:7865
See Malay Chaudhuri, SA6:Dec 71:944:8555

Engelund, Frank
Dsc, WW3:Aug 71:590:8272, of "Flume Experiments on Alternate Bar Formation", WW1:Feb 71:155: 7869

Enger, Thorleif
Flowgraph Analysis of Pipeline Networks, with Chuan C. Feng, HY10:Oct 71:1607:8404

England, Charles B.
See Louis M. Glymph, IR2:June 71:305:8174

Englande, Andrew, Jr.
See Larry W. Carter, SA6:Dec 69:1117:6975

Epp, Robert
Efficient Code for Steady-State Flows in Networ , with Alvin G. Fowler, HY1:Jan 70:43:7002
Dsc: Ian P. King, HY11:Nov 70:2379:7941; A. Roy Halliwell and Sabah A. Al-Nassri, HY12: Dec 70:2615:7711
Clo: HY7:July 71:1131:8223
TR:136:867

Epps, Jon A.
See Bob M. Gallaway, Preprint No.1325, Jan 71

Epstein, Marcelo
Nonlinear Analysis of Pin-Jointed Space Trusses, with Yair Tene, ST9:Sept 71:2189:8357

Erchinger, Heie Focken
Land Reclamation and Groin-building in the Tidal Flats, 12CEC:pp.1041-1052, 1971

Eremin, Anatol A.
Dsc, ST3:Mar 70:736:7116, of "Earthquake Design Criteria for Subways", ST6:June 69:1213:6616
Dsc, ST7:July 70:1608:7386, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824
Dsc, ST8:Aug 70:1813:7442, of "Beams on Discrete, Nonlinear Elastic Supports", ST11:Nov 69:2335: 6873

Ergin, Aysen
Irregular Wave Action on Rubble-Mound Breakwaters, with Serif Pora, WW2:May 71:279: 8114

Erho, Michael W.
See James G. Patrick, CE:Oct 70:61
See Robert T. Loder, PO2:Mar 71:301:7982

Erickson, Gayle A.
See Robert R. Rising, Preprint No.1338, Jan 71

Ericson, Lloyd Ralph
Memoir of, TR:136:1345

Ernst, George C.
Folded Plate and Shell Ultimate Strength Concept, with Arvin R. Riveland, Preprint No.1365, Apr 71

Errera, Samuel J.
See Asfandiar K. Dhalla, ST10:Oct 71:2549:8442

Ertas, Rebi
See Steven J. Fenves, ST7:July 69:1586:6644

Esogbue, Augustine O.
Dsc, with Thomas L. Morin, HY10:Oct 70:2137: 7568, of "Reservoir System Design Optimization", HY1:Jan 70:125:7023
See Thomas L. Morin, UP1:Apr 71:121:8016

Espino, Ernesto
See Earnest F. Gloyna, SA3:June 69:607:6637

Esrig, Melvin I.
Pore Pressures, Consolidation, and Electrokinetics, PISST:pp.263-285, 1971
Stability of Cellular Cofferdams Against Vertical Shear, SM6:Nov 70:1853:7654
Dsc: Wallace Estill Wilson, SM8:Aug 71:1127: 8270

Estep, A. C.
Engineers Study Highway Safety, CE:Mar 70:68 TR:136:312

Esteva, D.
Comparison of Pressure and Staff Wave Gage Records, with D. Lee Harris, 12CEC:pp.101-116, 1971

Evans, Henry K.
Four Freeway Fallacies, San Francisco Section, ASCE Highway Technical Division Task Force, CE:Mar 71:72
Dsc: Freeways, Traffic, and Pollution, Carl Zweben, CE:Sept 71:54

Evans, Ralph L.
See Thomas A. Butts, SA2:Apr 70:477:7235

Evans, Roger J.
See Max D. Coon, S&M2:Feb 71:375:7911

Evans, Sidney H.
See Arthur Saltzman, Preprint No.1498, July 71

Evans, T. H.
Dsc, CE:Mar 70:42, on Black People Call for ASCE Social Action, CE:Dec 69:73

Evenden, Fred G.
Dsc, CE:July 70:38, on The Civil Engineer and the Conservationist, CE:Feb 70:37

XUM

Evstatiev, D.
See M. Minkov, SM5:Sept 70:1821:7499

Eyre, Dale G.
Deflection Analysis for Shakedown, with Theodore V. Galambos, ST7:July 70:1359:7403
TR:136:961
Shakedown Tests on Steel Bars and Beams, with Theodore V. Galambos, ST7:July 70:1287:7395
Errata: ST6:June 71:1806:8159
TR:136:969

Faddick, Robert R.
Dsc, ST3:June 70:858:7313, of "Thermal Discharges From Large Nuclear Plant", SA6:Dec 69:1131:6983
Dsc, IR3:Sept 70:372:7498, of "Effect of Unit Weight and Slope on Erosion", IR4:Dec 69:551:6984
Dsc, with Henry A. Babcock, HY5:May 71:745:8081, of "Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual", HY7:July 70:1503:7423
Dsc, CO2:Nov 71:336:8482, of "Development of Tunneling Methods and Controls", CO2:Oct 70:99:7577

Fagel, Lawrence W.
See Shih-Chi Liu, EM4:Aug 71:1223:8324

Fairchild, John C.
Laboratory Tests of Longshore Transport, 12CEC: pp.867-889, 1971

Falcocchio, John C.
See Louis J. Pignataro, TE3:Aug 70:251:7454

Fan, Liang T.
See Lindon C. Thomas, TN: EM1:Feb 71:169:7858

Fan, Liang-Tseng
Power Plant Cooling Water Discharge in Streams, with Jie-Tsai Tseng and Ching Hwang, PO4:Dec 71:841:8595

Fan, Shou-shan
Computer Modelling of Diffraction of Wind Waves, with Leon Emry Borgman, 12CEC:pp.473-487, 1971
Dsc, WW1:Feb 70:160:7049, of "Breaker Travel and Choice of Design Wave Height", WW2:May 69:175:6569

Fan, Tauchao C.
Design Parameters for Thermal Shock Problems, ST2:Feb 70:309:7088
Clo: ST12:Dec 70:2670:7714
TR:136:563

Fan, William R.S.
See Movses J. Kaldjian, ST10:Oct 68:2451:6196

Fanelli, Michele A.
Dsc, ST6:June 71:1823:8159, of "Complete Adjustment Method for Analyzing Arch Dams", ST8:Aug 70:1711:7492

Fang, Ching S.
See Michael Amein, HY12:Dec 70:2481:7773

Fang, Hsai-Yang
See Osman A. El-Ghamry, SM4:Apr 71:700:8014

Fangmeier, Delmar D.
Dsc, with David W. Fonken, IR3:Sept 71:532:8346, of "Graphic Relation of Intake Length-of-Run and Time", IR3:Sept 70:223:7506

Farell, Cesar
See Eduard Naudascher, EM2:Apr 70:121:7214

Farhoomand, Fereydoon
Dynamic Analysis of Nonlinear Space Frames, with J. K. Iverson and Robert K. Wen, Preprint No.1371, Apr 71
See Robert K. Wen, EM5:Oct 70:667:7621

Faris, Charles O.
Dworshak Dam Underground Crushing Chamber, Preprint No.1313, Jan 71
Underground Chamber Crushes Rock for Dworshak Dam, CE:June 71:75

Faro, Robert C.
See Nelson L. Nemerow, SA3:June 70:665:7323

Farwell, Charles R.
Nonuniform Torsion of Steel Beams in Inelastic Range, with Theodore V. Galambos, ST12:Dec 69:2813:6964
Dsc: Ganpat S. Pandit, ST9:Sept 70:1972:7567
Clo: ST5:May 71:1635:8084
TR:136:785

Fattal, Badri
See Hillel I. Shuval, NSCD:pp.429-452, 1971

Favout, Rinaldo
Improving Urban Highway Transportation through Electronic Route Guidance, UTI:pp.141-183, 1971

Fazio, Paul P.
Study of Modular Panelized Building, Preprint No.1419, Apr 71
Ultimate Strength of Folded Sandwich Panel Roofs, Preprint No.1382, Apr 71

Feda, Jaroslav
Dsc, SM6:June 71:945:8158, of "Effect of Strain History on Liquefaction of Sand", SM6:Nov 70:1917:7670

Feld, Jacob
Settlement Control for Cosmotron Base, 4PCSM: pp.189-195, 1971
Dsc, SM4:July 70:1470:7385, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
Dsc, SM4:July 70:1478:7385, of "Hydraulic Fills to Support Structural Loads", SM1:Jan 70:23:7009
Dsc, ST8:Aug 70:1852:7442, of "Stability Problems of Wood Truss Bridge", ST2:Feb 70:353:7095
Dsc, PISST:pp.194-195, 1971, of "Hydraulic Fills to Support Structural Loads", PISST:pp.169-193, 1971
Dsc, PISST:pp.244-247, 1971, of "Building Damage from Extensive Steel Slag Backfill", PISST:pp.235-244, 1971
Dsc, SM10:Oct 71:1500:8410, of "Performance of Foundation for Altair Radar", SM1:Jan 71:1:7809

Feld, Lester S.
Superstructure for 1,350-ft.-High World Trade Center, CE:June 71:66
Dsc: Richard M. Stanger, CE:Dec 71:71

Felippa, Carlos A.
Dsc, ST1:Jan 70:143:6990, of "New Rectangular Finite Element for Shear Wall Analysis", ST3:Mar 69:399:6464
Dsc, with James L. Tocher, ST2:Feb 70:422:7047, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510

Felix, Michael P.
See John H. Nath, WW4:Nov 70:815:7700

Felton, Lewis P.
See Michael W. Dobbs, ST10:Oct 69:2105:6797

Feng, Chuan C.
See Jimmy L. Noland, ST1:Jan 71:439:7855
See Thorleif Enger, HY10:Oct 71:1607:8404

Feng, Tsuan H.
See Lawrence N. Kuzminski, NSCD:pp.85-111, 1971

Fenves, Steven J.
Scenario for a Third Computer Revolution in Structural Engineering, ST1:Jan 71:3:7812

Dsc, with Rebi Ertas, ST7:July 69:1586:6644, of "Multiple Configuration Analysis of Structures", ST11:Nov 68:2581:6220
See Dennis R. Lagerquist, EM3:June 69:695:6624
See Glenn A. Morris, EM4:Aug 69:937:6741
See Glenn A. Morris, ST5:May 70:931:7293
See Surendra K. Goel, ST1:Jan 71:463:7839

Ferahian, Ramzi H.
Dsc, ST5:May 70:991:7250, of "Effective Width of Steel Deck-Plate in Bridges", ST7:July 69:1459:6673
Dsc, ST9:Sept 71:2443:8348, of "Influence of Soil Conditions on Building Damage Potential During Earthquakes", ST2:Feb 71:639:7909

Ferguson, Phil M.
See Umakanta Behera, ST2:Feb 70:371:7103
See Umakanta Behera, ST7:July 70:1271:7419

Fernandez, Pedro Fernandez
See James N. Luthin, IR1:Mar 69:117:6446

Fernandez, Jose I.
See Raymond J. Krizek, SM8:Aug 71:1069:8320

Ferrara, Thomas C.
Public Participation in Urban Water Planning, with Karl M. Romstad and William K. Johnson, UP2:Dec 71:179:8585

Ferrari, Paul A.
See John G. Gonzales, CE:June 71:38

Ferraz Napoles Neto, A. D.
On The Standard Penetration Test in Test Borings (In Spanish), 4PCSM:pp.85-93, 1971

Ferreira, Antonio
See Ralph W. Gunwaldsen, CE:May 71:53

Ferrer, Luis
See August J. Durelli, EM4:Aug 70:407:7481

Ferreri, Michael G.
Improving Urban Bus Operations, TE3:Aug 70:319:7465
TR:136:1105

Feuerstein, Donald L.
Primary Treatment Followed by Reverse Osmosis, with Tom H. Forrest, CWFE:Mar 71:179

Fewell, Richard
See Milan Spanovich, SM5:Sept 70:1808:7499
See Milan Spanovich, PISST:pp.247-249, 1971

Fialkoff, David R.
Applying Analytical Techniques to the Design of Railway Signal Systems, with David M. Weiss, Preprint No.1483, July 71

Fialkow, Morris N.
Maximum Safe Loading of Folded Plate Structures, Preprint No.1380, Apr 71

Fickel, Hans H.
Concrete Column Design by AASHO Specifications, ST4:Apr 71:1187:8070
Dsc: Robert H. Seay, ST9:Sept 71:2448:8348

Fiehn, Arthur J.
Cooling Tower Applications in Power Cycle Design, PO1:Mar 69:55:6458
TR:136:760

Fields, S. R.
Technological Forecasting and Morphological Analysis, Preprint No.1475, July 71

Fiering, Myron B.
Economic Measure of Effect of Extreme Data, SA4:Aug 69:683:6720
Dsc: Theodore G. Roefs, SA2:Apr 70:632:7190; Arthur J. Askew and William Wen-Gong Yeh, SA3:June 70:854:7313
Clo: SA2:Apr 71:227:8013
TR:13:49

Fiho, Fernando Venancio
Dsc, ST11:Nov 70:2534:7644, of "Efficient Solutions for Linear Matrix Equations", ST1:Jan 70:49:7007

Finn, W. D. Liam
Effect of Strain History on Liquefaction of Sand, with Peter L. Bransby and Dennison J. Pickering, SM6:Nov 70:1917:7670
Dsc: Jaroslav Feda, SM6:June 71:945:8158; Sergey Steuerman, SM6:June 71:950:8158
Sand Liquefaction In Triaxial and Simple Shear Tests, with Dennison J. Pickering and Peter L. Bransby, SM4:Apr 71:639:8039

Finzi, Massimo
Dsc, ST:Oct 70:2237:7570, of "How Safe Are Your Towers?", ST1:Jan 70:1:6994

Fischer, Hugo B.
Dsc, HY4:Apr 70:1096:7189, of "Dispersivity Tensor for Uniform Channel Flow", HY5:Sept 69:1699:6794
Dsc, HY6:June 71:875:8155, of " Dispersion Prediction from Current Meters", HY8:Aug 70:1667:7464
See Edward R. Holley, HY8:Aug 70:1691:7488

Fischer, John
Planning Cities for the Year 2000, CE:Sept 70:54
TR:136:703

Fisher, John W.
Large Bolted and Riveted Shingle Splices, with Noriaki Yoshida, ST9:Sept 70:1903:7534
TR:136:1049
See James H. Lee, ST11:Nov 69:2371:6889
See J. Hartley Daniels, ST3:Mar 70:671:7173
See Manfred A. Hirt, ST7:July 71:1897:8238

Fisher, Suzy
The Cross-Florida Barge Canal: A Lesson in Ecology, CE:Apr 71:44
Minority Training Programs Lurch Ahead, CE:Sept 71:68

Fiske, Richard L.
Trash Rack Problems and Remedies at Muddy Run Pumped-Storage Generating Plant, with Cyril E. Daly, Preprint No.1305, Jan 71

Fiss, Robert A.
Local Buckling of Tubular Steel Poles in Bending, Preprint No.1568, Oct 71
See Jordan Lummis, Preprint No.1362, Apr 71

Fitch, Norris R.
See Arthur V. Dienhart, PO3:June 70:299:7322

Fitch, W. N.
See George K. Young, SA5:Oct 68:829:6147

Fithian, William Roberts
Memoir of, TR:136:1346

FitzPatrick, J. B.
See J. A. Zwamborn, 12CEC:pp.975-994, 1971

Fitzsimons, Neal
Ferdinand Hassler: The Great Triangulator, CE:Mar 71:87
L'heritage Francais, CE:May 71:85
Pollution Fighters: Rudolph Hering, CE:Oct 71:100
Wanted: One Civil Engineer, CE:Jan 71:52

XUM

Flack, J. Ernest
Nature of and Need for Interdisciplinary Attacks on Problems of Urban Water Management, UWRM: pp.106-110, 1971

Flammer, Gordon H.
Closed Conduit to Open Channel Stilling Basin, with Gaylord V. Skogerboe and Chi-Yuan Wei, IR1:Mar 70:1:7124
TR:136:424
Free Surface, Velocity Gradient Flow Past Hemisphere, with J. Paul Tullis and Earl S. Mason, HY7:July 70:1485:7418
Dsc: John A. Roberson, HY4:Apr 71:618:8012
Clo: HY12:Dec 71:2084:8552

Fleming, George
Flood Frequency Estimating Techniques for Small Watersheds, with Delbert D. Franz, HY9:Sept 71: 1441:8383
Particle Size of River Sediments, with Thomas Poodle, HY2:Feb 69:431:7068
TR:136:482
Sediment Balance of Clyde Estuary, HY11:Nov 70: 2219:7676
TR:136:1188
Simulation of Water Yield from Devegetated Basins, IR2:June 71:249:8175
Dsc, HY4:Apr 70:1075:7189, of "Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual", HY5:Sept 69:1477:6756
Dsc, HY4:Apr 70:1076:7189, of "Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual", HY5:Sept 69:1515:6757
Dsc, HY8:Aug 70:1760:7439, of "Sediment Yeilds from Central Colorado Snow Zone", HY1:Jan 70: 87:7006
Dsc, HY9:Sept 70:1908:7497, of "Real-Time Computer Control of Urban Runoff", HY1:Jan 70: 153:7028
Dsc, HY2:Feb 71:376:7863, of "Sedimentation Engineering, Chapter IV: Sediment Sources and Sediment Yields, Task Committee on Preparation of Manual on Sedimentation", HY6:June 70:1283: 7337
Dsc, HY3:Mar 71:475:7940, of "Unsteady Flow in Channel of Variable Cross Section", HY10:Oct 70: 1927:7583
Dsc, HY9:Sept 71:1573:8345, of "Sediment Transportation Mechanics: H. Sediment Discharge Formula, Task Committee for Preparation of Sedimentation Manual, Sedimentation Committee, Hydraulics Division", HY4:Apr 71:523:8076

Fleming, John F.
See Walter Podolny, Jr., Preprint No.1346, Jan 71

Fleming, Paul J.
See DeFro Tossey, SA1:Feb 70:75:7106

Fletcher, David Q.
Elastic Foundation Representation of Continuum, with Leonard R. Herrmann, EM1:Feb 71:95:7932

Fletcher, Edward Hamilton
Random Walk Model of Ideal Granular Mass, SM10: Oct 71:1379:8444

Flower, William R.
Analysis of Space Truss as Equivalent Plate, with Lewis C. Schmidt, ST12:Dec 71:2777:8569

Flynn, William A.
See Sergey Steuerman, SM6:Nov 70:2133:7643
See Sergey Steuerman, PISST:pp.196-198, 1971

Focht, John A., Jr.
See Bramlette McClelland, SM6:Nov 69:1491:6913

Fogel, Martin M.
See Chester C. Kisiel, HY10:Oct 71:1699:8455

Fogg, Charles H.
See V. Shannon, PO2:Mar 71:395:7948

Fok, Yu-Si
One-Dimensional Infiltration into Layered Soils, IR2: June 70:121:7343
Dsc: V. R. Krishna Murthy, IR2:Mar 71:324:8156
Subsurface Irrigation System Analysis and Design, with Lyman S. Willardson, IR3:Sept 71:449:8380

Folayan, Joseph I.
Decision Theory Applied to Settlement Predictions, with Kaare Hoeg and Jack R. Benjamin, SM4:July 70:1127:7390
Dsc: Emilio Rosenblueth, SM1:Jan 71:275:7785; John A. Burnes, SM2:Feb 71:509:7866
Clo: SM9:Sept 71:1342:8347
TR:136:1134

Foley, E. P.
Dsc, CE:Jan 71:64, on Lindenwold Line: A Model for Rail Rapid Transit, CE:Sept 70:90

Folie, G. M.
Bending of Clamped Orthotropic Sandwich Plates, EM3:June 70:243:7340
Dsc: Robert Schmidt, EM1:Feb 71:132:7862
Stiffness Matrix for Sandwich Folded Plates, ST2:Feb 71:603:7925

Folkman, Yair
Filtration of Chlorella Through Dune-Sand, with Alberto M. Wachs, SA3:June 70:675:7332
Dsc: Kenneth J. Ives, SA2:Apr 71:231:8013

Fondahl, John W.
See James Douglas, CO1:July 69:142:6640

Fonken, David W.
See Delmar D. Fangmeier, IR3:Sept 71:532:8346

Font, Juan B.
Damage Functions for a Rubble-mound Breakwater Under the Effect of Swells, 12CEC:pp.1567-1585, 1971
Surface Oscillations in a Water Tank Caused by a Submerged Jet, with Omar Azpurua and Flora Aranguren, 12CEC:pp.2243-2250, 1971

Forney, R. M.
See Omar H. Shemdin, 12CEC:pp.2225-2242, 1971

Forrest, J. B.
Field Studies of Response of Peat to Plate Loading, with I. C. MacFarlane, SM4:July 69:949:6652
Dsc: Victor J. Lo Pinto, SM1:Jan 70:361:6989; Icarahy DaSilveira, SM3:May 70:1056:7249
Clo: SM6:Nov 70:2130:7643
TR:136:146

Forrest, Tom H.
See Milton Spiegel, SA5:Oct 69:803:6807
See Donald L. Feuerstein, CWFE:Mar 71:179
See Walter J. Weber, CWFE:Mar 71:183
See Vinton M. Bacon, CWFE:Mar 71:185

Forshay, Raymond Leroy
Memoir of, TR:136:1347

Forsyth, Raymond
See Travis Smith, SM3:Mar 71:541:8004

Foschi, Ricardo O.
Point-Matching Analysis of Curved Timber Beams, ST1:Jan 70:35:6998
TR:136:522

Foster, David H.
See Malay Chaudhuri, SA1:Feb 71:118:7865

XUM

Foster, Edward Terence, Jr.
Model for Nonlinear Dynamics of Offshore Towers, EM1:Feb 70:41:7093
Errata: EM6:Dec 70:1273:7710
TR:136:513

Foster, Herbert B., Jr.
Rationale of Standards for Use of Reclaimed Water, with William F. Jopling, SA3:June 69:503:6609
TR:136:767

Foster, M. I.
Dsc, TE3:Aug 71:576:8268, of "Economic Location of Locks", TE1:Feb 69:77:6397

Foster, Richard L.
Effect of Unit Weight and Slope on Erosion, with L. Glen Martin, IR4:Dec 69:551:6984
Dsc: Robert R. Faddick, IR3:Sept 70:372:7498
Clo: IR2:June 71:323:8156
TR:136:348

Foster, William S.
Dsc, CE:June 70:45, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Fowler, Alvin G.
See Robert Epp, HY1:Jan 70:43:7002

Fowler, David W.
Design of Laterally Unsupported Timber Beams, ST3: Mar 71:881:7995
Dsc: Melvin W. Jackson, ST10:Oct 71:2624:8411; Jack Longworth, ST10:Oct 71:2625:8411

Fox, Arthur J.
Unfinished Business, CE:Mar 71:57

Fox, Denys A.
Dsc, SM5:Sept 70:1823:7499, of "Problems in Design and Installation of Offshore Piles", SM6:Nov 69: 1491:6913

Fox, Douglas G.
Dsc, SA5:Oct 71:766:8409, of "Finite-Difference Convection Errors", SA6:Dec 70:1361:7744

Fox, George E.
Dsc, with Philip A. Rice, SA6:Dec 69:1191:6931, of "Dynamic Model of the Anaerobic Digestion Process", SA1:Feb 69:95:6418

Fox, Vincent Scott
Deep Water Contruction Problems in Offshore Terminal, CE:June 70:63
TR:136:469

Frampton, Ralph E.
See Charles G. Culver, ST2:Feb 70:245:7079

France, Peter W.
Numerical Analysis of Free Surface Seepage Problems, with Chandrakant J. Parekh, John C. Peters and Cedric Taylor, IR1:Mar 71:165:7959

Franco, John J.
Dsc, TE4:Nov 69:700:6868, of "Economic Location of Locks", TE1:Feb 69:77:6397
Dsc, HY11:Nov 71:1913:8483, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Franz, Delbert D.
Hourly Rainfall Synthesis for a Network, HY9:Sept 71:1349:8375
Dsc, HY9:Sept 70:1922:7497, of "Decision Criteria for Using Stochastic Hydrology", HY4:Apr 70:911: 7209
Dsc, HY9:Sept 71:1552:8345, of "Implicit Flood Routing in Natural Channels", HY12:Dec 70:2481: 7773
See George Fleming, HY9:Sept 71:1441:8383

Franzini, Joseph B.
See Paul O. Reimer, UP2:Dec 71:217:8600

Franzoy, C. Eugene
See Marvin E. Jensen, IR1:Mar 70:25:7131

Frasier, Gary W.
See Lloyd E. Myers, IR4:Dec 70:425:7741

Frazier, John W.
Engineering Registration-License for What?, PP1:Sept 70:103:7562
Dsc: Lloyd T. Cheney, PP1:Oct 71:232:8408
A Kansas County Replaced Old Bridges Economically, CE:Jan 70:68
TR:136:68
Dsc, ST11:Nov 70:2546:7644, of "Bridge Deck Protection and Resurfacing", ST4:Apr 70:791:7217

Fread, Danny L.
Dsc, HY7:July 71:1156:8223, of "Implicit Flood Routing in Natural Channels", HY12:Dec 70:2481: 7773

Frederick, Daniel
See Charles W. Pryor, Jr., EM6:Dec 70:967:7760

Frederiksen, Harald D.
Wave Attenuation by Fluid Filled Bags, WW1:Feb 71:73:7874

Fredrich, Augustine J.
Dsc, CE:June 70:46, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Freeme, Charles R.
See Michael E. Szendrei, SM6:Nov 70:2099:7709

French, John L.
Nonenlarged Box Culvert Inlets, HY6:Nov 69:2115: 6928
TR:136:353

French, Jonathan A.
Dsc, HY4:Apr 71:635:8012, of "Water Wave Pressure on Horizontal Plate", HY10:Oct 70:1997: 7629

Frenette, Marcel
See G. Desaulniers, HY11:Nov 70:2380:7641

Fresko, Davit
Analysis of the Need for Goods Movement Forecasts, with Gordon Shunk and Franklin Spielberg, Preprint No.1490, July 71

Friberg, Bengt F.
Dsc, ST5:May 71:1637:8084, of "Shrinkage and Shrinkage Restraints in Concrete Pavements", ST7: July 70:1333:7402

Friedland, Helen
See Ralph Stone, SA3:June 70:691:7336

Frobenius, Peter
See Edward W. Peterson, CE:Oct 71:72

Fromme, G. A. W.
See J. A. Zwamborn, 12CEC:pp.975-994, 1971

Frost, Ronald W.
Fatigue Tests of Beams with Rectangular Web Holes, with Robert E. Leffler, SM2:Feb 71:509:7913

Fruin, John J.
Goods Movement on Urban Transit Systems, Preprint No.1521, July 71

Fry, Bernard L.
V/STOL Concepts for Short Haul Air Transport, with R. William DeDecker, TE3:Aug 71:411:8277

XUM

Frydman, Sam
Dsc, with Jan Kinsky and Israela Ravina, SM8:Aug 71:1124:8270, of "Mechanisms Controlling Compressibility of Clays", SM6:Nov 70:1863:7649

Fucik, E. Montford
Competitive Bidding on Foreign Work, PP1:Oct 71: 121:8456

Fugelso, Leif E.
Elastic Free-Field Motion Due to Nuclear Blast, with Robert K. Waddick and Glen L. Heidhardt, EM6: Dec 68:1337:6266
TR:136:666

Fuhrboter, Alfred
Air Entrainment and Energy Dissipation in Breakers, 12CEC:pp.391-398, 1971
Dsc, HY11:Nov 70:2385:7641, of "Formation of Dunes and Antidunes in Open Channels", HY2:Feb 70:357:7056

Fukumoto, Yuhshi
Dsc, ST5:May 70:999:7250, of "Local Plastic Buckling of A514 Steel Members", ST9:Sept 69: 1837:6761

Fuller, Stephen S.
Water Resources Planning in Appalachia, UP2:Oct 70:123:7599
Dsc: Robert L. McFall, UP1:Apr 71:123:8016

Fulton, Robert E.
Dynamic Buckling of Shallow Arches, with Furman W. Barton, EM3:June 71:865:8214

Fumagalli, Emanuele
Tests on Cohesionless Materials for Rockfill Dams, SM1:Jan 69:313:6353
Dsc: J. K. Wilkins, SM2:Mar 70:767:7115
Clo: SM1:Jan 71:237:7785
TR:136:26

Fungaroli, A. A.
See R. J. Schoenberger, Preprint No.1322, Jan 71

Funk, Monroe L.
Optimal Construction Staging by Dynamic Programming, with Frank A. Tillman, HW2:Nov 68:255:6215
Dsc: Suresh Sangal and E. Benjamin Wylie, TE4: Nov 69:689:6868
Clo: TE3:Aug 70:433:7440
TR:136:787

Funston, Rowena
See W. E. Torget, WW2:May 70:411:7290

Furlong, Richard W.
Design Tables for Composite Columns, Preprint No.1531, Oct 71
Dsc, ST8:Aug 71:2150:8271, of " Axial Load Design for Concrete Filled Steel Tubes", ST10:Oct 70: 2125:7597

Furman, Thomas deS.
Professional Recognition - How?, Preprint No.1559, Oct 71

Furr, Howard L.
See Aylmer P. Cheng, ST11:Nov 69:2335:6873
See Raouf Sinno, ST4:Apr 70:803:7227
See Raouf Sinno, ST8:Aug 70:1627:7450

Gablinger, Moshe
Markov Models for Flow Regulation, with Daniel P. Loucks, HY1:Jan 70:165:7031
Errata: HY1:Jan 71:175:7783

Gabrielsen, Bernard L.
Response of Wall Panels Subjected to Blast Loading, Preprint No.1399, Apr 71

Gadish, Y.
See David Karmeli, PL1:Oct 68:1:6130

Gagliano, Sherwood M.
Deterioration and Restoration of Coastal Wetlands, with Hyuck J. Kwon and Johannes L. van Beek, 12CEC:pp.1767-1781, 1971

Gaither, William S.
All-Weather Tanker Terminal for Cook Inlet, Alaska, with Robert E. Dalton, WW2:May 69:131:6549
Dsc: Peter A. Hakman and William P. Kinneman, WW2:May 70:557:7252
TR:136:652
Multi-Discipline Case Study Approach to Education in Project Planning, with Dennis R. Neuzil, CE: Dec 70:35
TR:136:1197
Systems Approach to Petroleum Site Selection, with John Patrick Sides, WW3:Aug 69:395:6750
TR:136:1092
See Kenneth R. Broome, WW1:Feb 70:121:7110
See Cheng Y. Yang, 12CEC:pp.2011-2030, 1971

Galambos, Theodore V.
Progress Report on Steel Box Girder Bridges, Subcommittee on Box Girders of the ASCE-AASHO Task Committee on Flexural Members, ST4:Apr 71:1175:8068
Dsc: Charles G. Culver, ST9:Sept 71:2446:8348
See Charles R. Farwell, ST12:Dec 69:2813:6964
See R. Konyalian, ST3:Mar 70:737:7116
See Dale G. Eyre, ST7:July 70:1287:7395
See Dale G. Eyre, ST7:July 70:1359:7403

Galbraith, Frank W.
Shock Spectra From Subsurface Nuclear Explosions, with Robert N. Schreiner, EM5:Oct 68:1015:6140
TR:136:53

Galegar, William C.
Measuring Subsurface Spring Flow With Radiotracers, with Myron W. DeGeer, SA6:Dec 69: 1097:6973
TR:136:332

Gallaway, Bob M.
Tire-Pavement Interactiono, with Jerry G. Rose and Jon A. Epps, Preprint No.1325, Jan 71

Galliher, Claiborne F.
Water Accounting at Pumping Station S-5A in Florida, IR4:Dec 69:517:6970
TR:136:282

Galvin, Cyril J., Jr.
Breaker Travel and Choice of Design Wave Height, WW2:May 69:175:6569
Dsc: J. William Kamphuis, WW4:Nov 69:600: 6869; Shou-Shan Fan, WW1:Feb 70:160:7049
TR:136:687

Gambin, Michel Ph.
Dsc, SM6:June 71:937:8158, of "Engineering Properties of Submarine Soils: State-of-the Art Review", SM5:Sept 70:1735:7536

Ganczarczyk, Jerzy
Nitrogen Transformation in Activated Sludge Treatment, SA3:June 71:247:8163

Gangadharaiah, Thimmaiah
See Nagar S. Lakshmana Rao, HY2:Feb 70:331:7055
See Nagar S. Lakshmana Rao, HY9:Sept 71:1285: 8359

GangaRao, Hota V.S.
See Donald L. Dean, EM4:Aug 70:377:7463

Gangstad, E. O.
Herbicidal Control of Aquatic Plants as Related to the Environment, Preprint No.1532, Oct 71

XUM

Gannon, John J.
See Chester T. Wezenak, SA5:Oct 68:883:6159

Gantayat, A.
See Alexander Hrennikoff, EM3:June 70:313:7352

Garbaccio, Donald H.
See Basil W. Wilson, WW4:Nov 64:449:6888

Garber, William F.
Report on the Session on Planning for Clean Water in Terms of Ecology and the Social Environment, CWFE:Mar 71:35
See Ralph Stone, SA3:June 70:691:7336

Garcia, Jesus M., Jr.
See William E. Schaefer, Preprint No.1476, July 71

Garde, Ramachandra J.
Dsc, with K. G. Ranga Raju, HY4:Apr 70:1052:7189, of "Friction-Factors for Flat-Bed Flows in Sand Channels", HY4:July 69:1227:6678
See K. G. Ranga Raju, HY3:Mar 70:815:7181
See K. G. Ranga Raju, HY7:July 70:1617:7384
See K. G. Ranga Raju, HY8:Aug 70:1749:7439
See K. G. Ranga Raju, HY1:Jan 71:196:7783

Gardiner, J. M.
See D. Wermenlinger, PO2:Mar 71:515:7974

Gardner, Noel J.
Response of Cooling Tower to Turbulent Wind, ST10:Oct 69:2057:6812
TR:136:273

Gardner, William S.
See James K. Mitchell, SM11:Nov 71:1549:8522

Garfield, Henry G.
Epoxy Injections Repair Historic Prestress Concrete Bridge, CE:Mar 71:39
Dsc: Cast-in-Place Post-Tensioned Bridges, James R. Libby, CE:Aug 71:38

Garg, Satya P.
Bed Load Transportation in Alluvial Channels, with Ashutosh K. Agrawal and Prem Raj Singh, HY5: May 71:653:8091
Efficiency of Hydraulic Jump, with Hari R. Sharma, HY3:Mar 71:409:7994
Dsc: Frederic T. Mavis, HY9:Sept 71:1570:8345; James J. Sharp, HY9:Sept 71:1571:8345; Khalid Mahmood, HY10:Oct 71:1790:8407; Rupchand M. Advani and Pashupati N. Modi, HY11:Nov 71:1923:8483; Mohan M. Dandekar, HY12:Dec 71:2107:8552; Frank Y. Tsai, HY12:Dec 71: 2108:8552
Rational Design of Wall Screens, with Jagroshan Lal, IR1:Mar 71:131:7969
Dsc: Bruce W. Hunt, IR3:Sept 71:542:8346
Seepage from Trapezoidal Channels, with A. S. Chawla, HY6:June 70:1261:7335
Dsc: Anat Arbhabhirama and Edward K. Noda, HY12:Dec 70:2674:7711; Abdelwahab M. Amer, HY2:Feb 71:369:7863
Clo: HY10:Oct 71:1758:8407
TR:136:1258
Stability of Structures on Permeable Foundations, with A. S. Chawla, HY4:July 69:1095:6648
Dsc: Rupchand M. Advani and Pashupati N. Modi, HY4:Apr 70:1044:7189
Clo: HY11:Nov 70:2362:7641
TR:136:123
Dsc, with Ashutosh K. Agrawal, HY7:July 71:1148: 8223, of " Sediment Sampling Efficiency of Slots", HY10:Oct 70:2065:7637

Garland, C. A.
See Robert M. Clark, SA5:Oct 71:563:8403

Garrison, C. J.
Interaction of Waves with Submerged Objects, with V. Seetharama Rao, WW2:May 71:259:8111
Dsc: Subrata K. Chakrabarti, WW4:Nov 71:771: 8488
Dsc, HY4:Apr 71:631:8012, of "Virtual Mass of Plates and Discs in Water", HY10:Oct 70:1947: 7593

Gartrell, Francis E.
Environmental Protection-TVA Experience, with James C. Barber, SA6:Dec 70:1321:7761
Dsc: Robert L. McFall, SA4:Aug 71:537:8269; Eric Hirst, SA4:Aug 71:536:8269

Garvey, Brian J.
See James C.I. Dodge, HY9:Sept 70:1888:7497

Gates, Marvin
Bidding Contingencies and Probabilities, CO2:Nov 71:277:8524
Earthwork Quantities by Random Sampling, with Amerigo Scarpa, CO1:July 69:65:6681
Errata: CO1:June 70:87:7308
TR:136:359
Learning and Experience Curves, with Amerigo Scarpa, Preprint No.1393, Apr 71
Dsc, CO1:June 70:93:7308, of "OPBID: Competitive Bidding Strategy Model", CO1:July 69:85:6690

Gates, William E.
Biokinetic Evaluation of BOD Concepts and Data, with Sambhunath Ghosh, SA3:June 71:287:8184

Gaum, Carl H.
History and Future of Ohio River Navigation, WW2: May 70:483:7304
Dsc: Sol M. Gieser, WW1:Feb 71:224:7868
Clo: WW4:Nov 71:759:8488
TR:136:1230
Dsc, TE1:Feb 70:117:7048, of "Economic Location of Locks", TE1:Feb 69:77:6397

Gaylord, Edwin H.
See Satya S. Sharma, ST12:Dec 69:2797:6960
See E Whitman Wright, ST8:Aug 70:1824:7442

Gebhart, Lloyd R.
Experimental Cationic Asphalt Emulsion Grouting, Preprint No.1541, Oct 71

Gehres, Hillard Durwood
Memoir of, TR:136:1348

Gehring, Don
Structural Ground Concept and Wire Fabric Save Time and Money, CE:Nov 71:50

Geiger, David H.
Irregular Shaped Plates with Singularities, EM5:Oct 71:1533:8458

Geldreich, Edwin E.
Salmonellae in Fresh Water Pollution, with Dale J. Van Donsel, NSCD:pp.495-514, 1971

Gellert, Menachem
See Zvi Getzler, SM4:July 70:1357:7431

George, Kalankamary P.
Theory of Brittle Fracture Applied to Soil Cement, SM3:May 70:991:7301
Dsc: Sridhar Rao, SM2:Feb 71:506:7866
Clo: SM9:Sept 71:1341:8347
TR:136:1145

George, W. K.
Limitations on the Measurement of Turbulence Using a Laser Doppler Velocimeter, with J. L. Lumley, Preprint No.1345, Jan 71

XUM

Georgi, R. A.
The 1-Point Procedure, CE:Feb 71:60
Dsc: Thomas C. Coleman, CE:July 71:56
Errata: Rudolf A. Georgi, CE:July 71:56

Gergely, Peter
See P. V. Banavalkar, Preprint No.1320, Jan 71

Gerrard, Charles M.
See Jack R. Morgan, SM12:Dec 71:1675:8577

Gersten, Marvin C.
Buses Get Exclusive Use of Freeway Median, with Jeanine M. Kahan, CE:July 70:68
TR:136:574

Gerstle, Kurt H.
See John D. Mozer, ST3:Mar 70:597:7157
See Gerald W. May, ST7:July 71:1863:8237
See Vladimir Carvenka, ST9:Sept 71:2434:8348

Gerstner, Robert W.
Dsc, with Raymond M. Puzerewski and Donald M. Schultz, ST12:Dec 71:2924:8557, of "Numerical Error in Structural Solutions", ST4:Apr 71:1039:8036

Gerwick, Ben C., Jr.
Construction Of Large Concrete Ocean Structures, CO1:Mar 71:1:7991
Prestressed Concrete Developments Around the World, CE:Dec 70:55
TR:136:1234

Gessler, Johannes
Self-Stabilizing Tendencies of Alluvial Channels, WW2:May 70:235:7263
Dsc: Barry A. Benedict and Bent A. Christensen, WW1:Feb 71:213:7868; Ivan Egiazaroff, WW1:Feb 71:216:7868
Clo: WW4:Nov 71:757:8488
TR:136:1307
Dsc, HY4:Apr 70:1088:7189, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, EM6:Dec 71:1746:8551, of "Directional Analysis in Model Design", EM2:Apr 71:519:8053

Gesund, Hans
Dsc, ST10:Oct 71:2632:8411, of "Analysis of Dowel Action", ST5:May 71:1611:8147

Getzler, Zvi
Analysis of Arching Pressures in Ideal Elastic Soil, with Menachem Gellert and Ruben Eitan, SM4:July 70:1357:7431
TR:136:1014

Geyer, John C.
See John Eric Edinger, SA4:Aug 68:611:6064

Ghobarah, Ahmed A.
Over-All and Local Buckling of Channel Columns, with Wai K. Tso, EM2:Apr 69:447:6513
Dsc: Ekkehard Schiedel, EM6:Dec 69:1446:6929; Kothapalli Ramaiah Venkataramaiah, EM1:Feb 70:92:7044
Clo: EM5:Oct 70:783:7574
TR:136:71

Ghose, Amitava
See Graham H. Powell, ST9:Sept 69:1953:6796

Ghosh, K. K.
Breaking Load for Rigid Pavement, with M. Dinakaran, TE1:Feb 70:87:7108
Errata: TE1:Feb 71:166:7864
TR:136:400

Ghosh, S. N.
Boundary Shear Distribution in Open Channel Flow, with N. Roy, HY4:Apr 70:967:7241
Errata: HY4:Apr 71:585:8012
TR:136:710

Ghosh, Sambhunath
See William E. Gates, SA3:June 71:287:8184

Ghosh, Satyendra K.
Dsc, ST6:June 70:1254:7314, of "Behavior of Concrete under Compressive Loadings", ST12:Dec 69:2543:6935
Dsc, ST3:Mar 71:988:7944, of "Effects of Reinforcements on Ductility of Concrete", ST6:June 70:1167:7366
Dsc, ST3:Mar 71:1005:7944, of "Compression-Tests on Hoop-Reinforced Concrete", ST7:July 70:1495:7417
Dsc, ST5:May 71:1644:8084, of "Behavior of Concrete Under Varying Strain Gradients", ST8:Aug 70:1675:7484
Dsc, ST:July 71:2032:8225, of "Behavior of Laterally Reinforced Concrete ColumnF", ST2:Feb 71:587:7905

Gibbs, Charles V.
Management and Regulations for the Future Basin Management Techniques, with Allan L. Poole, CWFE:Mar 71:65

Gibbs, Harold J.
Standard Penetration Test for Sand Denseness, 4PCSM:pp.27-36, 1971

Giberson, Melbourne F.
Two Nonlinear Beams with Definitions of Ductility, ST2:Feb 69:137:6377
TR:136:799

Gibson, Gary C.
See Harry M. Coyle, SM3:May 70:949:7296

Gielly, J.
Dsc, with P. Lareal and Guy Sanglerat, SM2:Feb 71:708:7866, of "Static Cone to Compute Static Settlement Over Sand", SM3:May 70:1011:7302

Giese, Egon
See Hans Vollmers, HY6:June 70:1357:7310
See Hans Vollmers, HY12:Dec 70:2649:7711

Giger, M. W.
See Wai F. Chen, SM1:Jan 71:19:7828

Gilbert, Gorman
Markov Renewal Model of Linked Trip Travel Behavior, with George L. Peterson and Joseph L. Schofer, Preprint No.1491, July 71

Gilbert, Paul H.
Edward Hyatt Powerplant Intake Structure, PO1:Mar 69:110:6471
TR:136:814

Giles, Gary L.
Procedure for Automating Aircraft Wing Structural Design, ST1:Jan 71:99:7821

Gilg, Bernhard E.
Dsc, with R. Zwahlen, ST6:June 71:1824:8159, of "Complete Adjustment Method for Analyzing Arch Dams", ST8:Aug 70:1711:7492

Gill, Mohammad Akram
Height of Sand Dunes in Open Channel Flows, HY12:Dec 71:2067:8612
Dsc, with P. Natarajan, HY4:Apr 70:1086:7189, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, HY7:July 71:1154:8223, of "Indeterminate Hydraulics of Alluvial Channels", HY11:Nov 70:2309:7696
Dsc, WW4:Nov 71:768:8488, of "Flume Experiments on Alternate Bar Formation", WW1:Feb 71:155:7869

Gilleland, Jack E.
Siting of Browns Ferry Nuclear Plant, PO2:Oct 69: 185:6827
TR:136:124

Gillespie, Doyle D.
See Carlton T. Wise, CE:June 71:43

Gillespie, William J.
Recent Paper Industry Waste Treatment Systems, SA2:Apr 70:467:7234
Dsc: P. V.R. Subrahmanyam and G. J. Mohanrao, SA6:Dec 70:1463:7713
Clo: SA4:Aug 71:528:8269
TR:136:857

Gillfillan, Walter E.
General Aviation's Urban Airport Capacity Problem, TE1:Feb 70:79:7109
TR:136:729

Gilman, David W.
Challenge Of Underground Transmission and Distribution, with Edward J. Steeve, PO1:Jan 71: 151:7827

Gilman, Roger H.
The Impact of Staggered Work Hours on Public Transportation, NA:Mar 71:91
Views of Port Industry, WW1:Feb 71:3:7919

Ginsberg, Harry J.
Ethics and Mankind, CE:Oct 70:92
Dsc: Engineers and Responsibility, Harry J. Ginsberg, CE:Feb 71:55
Dsc, CE:Feb 71:55, on Ethics and Mankind, CE:Oct 70:92

Giovannitti, Ernest F.
See Walter N. Heine, SA3:June 70:743:7362

Girand, John
Technical Movie of Papago Freeway, TE4:Nov 71: 619:8506
A Technical Movie of the Papago Freeway, Preprint No.1293, Jan 71

Giraudet, Pierre
Dsc, BMS:pp.220-222, 1971, of "Model Investigation of Berthing Impacts", BMS:pp.209-214, 1971
Dsc, BMS:p.265, 1971, of "Selection of Fenders", BMS:pp.260-263, 1971

Girault, Pablo
Dsc, ST7:July 70:1620:7386, of "Structural Behavior of Concrete Arch Culvert", ST12:Dec 69:2665:6942

Girijavallabhan, Chiyyarath
See Ramakrishna Narayanaswami, ST8:Aug 71:2152: 8271

Girijavallabhan, Chiyyarath V.
Analysis of Shear Walls with Openings, ST10:Oct 69: 2093:6824
Dsc: D. Melville Porter, ST4:Apr 70:873:7191; Ganpat S. Pandit, ST7:July 70:1606:7386; David G. Elms, ST7:July 70:1607:7386; Anatol A. Eremin, ST7:July 70:1608:7386; Alexander Coull, ST7:July 70:1609:7386; Joseph Schwaighofer, ST8:Aug 70:1810:7442; K. S. Rajagopalan, ST8:Aug 70:1811:7442; Edgar Lightfoot, ST9:Sept 70:1968:7567
Errata: ST3:Mar 71:962:7944
Clo: ST4:Apr 71:1343:8015
TR:136:280

Buckling Loads of Nonuniform Columns, ST11:Nov 69:2419:6908
Dsc: Henry Malter, ST5:May 70:1003:7250; Georg Thierauf, ST5:May 70:1004:7250; P. Paramasivam, ST7:July 70:1613:7386; Nicholas S. Trahair and Peter T. Brown, ST8:Aug 70: 1817:7442; Raymond H. R. Tide, ST8:Aug 70: 1819:7442
Clo: ST3:Mar 71:965:7944
TR:136:356
Numerical Method for Elastic Stability Problems, ST11:Nov 71:2691:8530
Dsc, SM1:Jan 70:350:6989, of "A Study of Bulk and Shear Moduli of a Sand", SM2:Mar 69:561:6461

Giroud, Jean-Pierre
Settlement of Embankment on Layer of Soil, with Andre Rabatel, TN: SM1:Jan 71:287:7787
Stresses Under Linearly Loaded Rectangular Area, SM1:Jan 70:263:7040
TR:136:505
Dsc, with J. M. Runacher, SM2:Mar 70:768:7115, of "Settlement of Building on Deep Compressible Soil", SM3:May 69:769:6547
Dsc, SM6:Nov 70:2140:7643, of "Guide for Depth of Foundation Exploration", SM2:Mar 70:377:7120
Dsc, with Pierre Stutz, SM6:Nov 70:2148:7643, of "Bearing Capacity of Foundation on Sand", SM2: Mar 70:545:7158
Dsc, SM6:Nov 70:2160:7643, of "Settlement Problem Oriented Computer Language", SM2:Mar 70:649: 7178
Dsc, SM4:Apr 71:693:8014, of " Effect of Particle Characteristics on Soil Strength", SM4:July 70: 1221:7393
Dsc, SM5:May 71:806:8083, of "Analysis of Circular Footings on Layered Soils", SM4:July 70:1289:7408
See J. P. Boehler, SM10:Oct 71:1493:8410

Givens, John J.
Rehabilitation of Offshore Platforms, with Greg Carter, CE:Apr 70:47
TR:136:333

Gizienski, Stanley F.
See Iraj Noorany, SM5:Sept 70:1735:7536

Gjelsvik, Atle
Extension of Incremental Collapse Theorems, TN: EM5:Oct 71:1603:8412
Stability of Water Cooled Columns, EM4:Aug 71: 1205:8335
See Li-Chung Tao, EM5:Oct 69:1169:6849
See Jeffrey L. Bluestein, ST7:July 70:1535:7421

Gjorv, Odd E.
Thin Underwater Concrete Structures, CO1:June 70: 9:7326
Errata: CO1:Mar 71:166:7939
TR:136:494

Gladwell, Graham M. L.
See Donald E. Grierson, ST5:May 71:1561:8127

Gladwell, John S.
Dsc, with Cheng-nan Lin, HY1:Jan 71:207:7783, of "Pressure Surge Attenuation Utilizing an Air Chamber", HY5:May 70:1143:7267

Glassman, Ami
Dsc, ST10:Oct 70:2242:7570, of "Structure And Foundation Interaction Theory", ST2:Feb 70:177: 7059

Glauser, Ernst C.
See Fung J. Lin, ST7:July 70:1377:7404

Glenne, Bard
See Themistocles A. Dracos, HY6:Nov 67:79:5566

Gleser, Sol M.
Dsc, WW4:Nov 70:872:7645, of "Interoceanic Canal Navigation Criteria", WW2:May 70:395:7288

XUM

Dsc, WW1:Feb 71:223:7868, of "Problems of Inland Waterway Lock Dimensions", WW2:May 70:451:7295
Dsc, WW1:Feb 71:224:7868, of "History and Future of Ohio River Navigation", WW2:May 70:483:7304
Dsc, WW1:Feb 71:230:7868, of "Framework Plan for Ohio Basin Navigation to 2020", WW3:Aug 70:665:7473
Dsc, SM6:June 71:935:8158, of "Lateral Load Tests on Piles-Arkansas River Project", SM5:Sept 70:1583:7510
Dsc, SM6:June 71:936:8158, of "Model Study of Laterally Loaded Piles", SM5:Sept 70:1605:7511

Glockner, Peter G.
Physical Strains in Nonlinear Thin Shell Theory, with J. P. Shrivastava, EM6:Dec 69:1331:6956
Errata: EM6:Dec 70:1272:7710
TR:136:385
See E. Ramzy F. Zaghlool, ST3:Mar 70:487:7147
See J. P. Shrivastava, EM5:Oct 70:547:7584

Glogau, O. A.
Dsc, ST6:June 70:1249:7314, of "Elasto-Plastic Seismic Response of Reinforced Concrete Frame", ST10:Oct 69:2031:6813

Glosten, L. R.
Ocean Tug-Barge Systems, Preprint No.1423, July 71

Glover, George E.
Dsc, SA4:Aug 70:1025:7441, of "Turbulence and Flocculation", SA2:Apr 70:223:7201

Gloyna, Earnest F.
Sulfide Production in Waste Stabilization Ponds, with Ernesto Espino, SA3:June 69:607:6637
Dsc: David D. Mara and David J.A. Williams, SA2:Apr 70:628:7190
TR:136:1080
See Roger Don Shull, SA6:Dec 69:995:6948
See E. M. Davis, NSCD:pp.539-561, 1971

Gluck, Jacob
Lateral-Load Analysis of Asymmetric Multistory Structures, ST2:Feb 70:317:7089
Dsc: J. H. Wynhoven and Peter F. Adams, ST11:Nov 70:2538:7644; J. K. Biswas and Wai K. Tso, ST11:Nov 70:2540:7644
Clo: ST6:June 71:1804:8159
TR:136:819

Glymph, Louis M.
Hydrologic Response of Watersheds to Land Use Management, with Heggie N. Holtan and Charles B. England, IR2:June 71:305:8174

Gnaedinger, John P.
Dsc, with Robert J. Gnaedinger, Jr., SM6:Nov 70:2131:7643, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
Dsc, with Robert J. Gnaedinger, Jr., PISST:pp.256-257, 1971, of "Building Damage from Extensive Steel Slag Backfill", PISST:pp.235-244, 1971

Gnaedinger, Robert J., Jr.
See John P. Gnaedinger, SM6:Nov 70:2131:7643
See John P. Gnaedinger, PISST:pp.256-257, 1971

Goble, George G.
Optimization Techniques in Structural Design, Preprint No.1397, Apr 71
See William S. LaPay, ST1:Jan 71:157:7838

Goda, Takeshi
Japan Develops Water Polluton Control Technology, with Hisashi Sumitomo, CE:Nov 71:42

Goda, Yoshimi
Dsc, WW1:Feb 70:155:7049, of "Pressures of Standing Waves on Vertical Wall", WW1:Feb 69:53:6408

Goddard, James E.
Flood-Plain Development Must be Ecologically and Economically Sou..d, CE:Sept 71:81
Principles and Procedures in Flood Plain Management, with John W. Weathers, HY4:July 69:1321:6696
Dsc: L. Douglas James, HY1:Jan 70:302:6988; Robert L. McFall, HY1:Jan 70:303:6988
Clo: HY9:Sept 70:1877:7497
TR:136:108

Godfrey, Kneeland A., Jr.
Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, CE:Sept 70:73
Dsc: Non-structure Costs in Housing, A. Tanel, CE:Mar 71:52; Albert M. Tantala, CE:July 71:56
TR:136:740
New York State Spurs Housing, CE:Nov 71:53
Social and Environmental Factors in Design, CE:Sept 70:48
TR:136:681
What's New in Water and Sewer Pipe, CE:Oct 70:46
TR:136:894
The 1970's: Civil Engineering Forecast-Part I, CE:Apr 70:68
TR:136:278
The 1970's: Civil Engineering Forecast-Part II, CE:May 70:41
TR:136:395
The 1970's: Civil Engineering Forecast-Part III, CE:July 70:51
TR:136:528

Goel, Subhash C.
See Raj P. Gupta, Preprint No.1392, Apr 71

Goel, Surendra K.
Computer-Aided Processing of Design Specifications, with Steven J. Fenves, ST1:Jan 71:463:7839
Dsc, ST11:Nov 71:2759:8485, of "Integrated System For RC Building Design", ST1:Jan 71:13:7816
Dsc, ST12:Dec 71:2892:8557, of "Formulation of Decision Logic Tables", ST1:Jan 71:439:7855

Gohren, Harald
Deformation of Rotational Tidal Currents in Shallow Coastal Water, 12CEC:pp.2147-2162, 1971

Goldberg, Donald T.
Session I: Densification During Placement (Rollers), PISST:pp.1-3, 1971

Goldberg, John E.
Analytical and Model Studies of Continuous Folded Plates, with Martin J. Gutzwiller and Robert H. Lee, EM5:Oct 68:1127:6181
TR:136:754
See James L. Jorgenson, ST8:Aug 69:1743:6751
See S. K. Radhamohan, ST6:June 71:1775:8216

Golder, Charles R.
Presplitting and Rockbolts Cut Costs at Stockton Dam, CE:Jan 70:44
TR:136:13

Golder, Hugh Q.
The Allowable Settlement of Structures, 4PCSM:pp.171-187, 1971
Predicted Performance of a Braced Excavation, with James P. Gould, T. William Lambe, Gregory P. Tschebotarioff and Stanley D. Wilson, SM3:May 70:801:7292
TR:136:928

Goldschmidt, Victor W.
See Michael K. Householder, EM6:Dec 69:1345:6961

Goldsmith, Victor
Effects of Nonuniform Wave Energy in the Littoral Zone, with Joseph M. Colonell, 1971
See Miles O. Hayes, 12CEC:pp.1187-1200, 1971

Goldsmith, William A.
Clay Slurry Sorption of Carrier-Free Radiocations, with W. Emmett Bolch, SA5:Oct 70:1115:7611
TR:136:1068

Golze, Alfred R.
Computer Controls for Aqueduct Operation, PL1:Oct 68:19:6145
Clo: TE3:Aug 71:575:8268
TR:136:536
Economic Status - The Engineer's Dilemma, Preprint No.1493, July 71
Edward Hyatt (Orville) Underground Power Plant, PO2:Mar 71:419:7950
Dsc: Lewis H. Tuthill, PO4:Dec 71:884:8554
Model Law to Improve Dam Safety, CE:Mar 71:53
Dsc: Asit V. Biswas, CE:June 71:40
Dsc, IR4:Dec 69:617:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Gonzales, John G.
Students Revitalize On-Campus Lake, with Paul A. Ferrari, CE:June 71:38

Goodman, James R.
Orthotropic Elastic Properties of Wood, with Jozsef Bodig, ST11:Nov 70:2301:7682
Dsc: Gary Uthenwoldt, ST9:Sept 71:2427:8348
See Adam M.A. Al-Dabbagh, Preprint No.1389, Apr 71

Goodman, Leon
Implementing an Exclusive Bus Lane on the New Jersey Approaches to the Lincoln Tunnel, NA:Mar 71:149

Goodman, Michael
Dsc, CE:Dec 71:70, on USBR Specifications Focus on Environment, CE:July 71:50

Goodwin, P. X.
See E. T. Hanrahan, SM1:Jan 70:321:689

Gopalakrishnan, N.
Dsc, with Jawalker K. Sridhar Rao, ST4:Apr 70:853:7191, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389:6667

Gordon, Clarence T
Conventionally Reinforced Nuclear Containments, with William L Klehm, ST2:Feb 70:199:7065
Dsc: Chen Pang Tan, ST6:June 70:1260:7314
Clo: ST12:Dec 70:2669:7714
TR:136:542

Gormley, John F.
Nonsymmetric Modes of Complete Spherical Shells, with William C. L. Hu, EM3:June 69:545:6606
TR:136:632

Gosavi, P. D.
See S. K. Guha, TN: EM2:Apr 71:589:8017

Goswami, Santosh R.
Dsc, CE:July 71:40, on Aerated Lagoons Treat Minnesota Town's Wastes, CE:Dec 70:59
Dsc, SA4:Aug 71:542:8269, of "Evaluation of Some Stabilization Ponds in India", SA1:Feb 71:91:7912
Dsc, CE:Sept 71:67, on Graphic Dissolved Oxygen Computation, CE:Mar 71:60
Dsc, SA6:Dec 71:946:8555, of "Optimization in Design of Hydraulic Network", SA2:Apr 71:141:8032

Gotaas, Harold B.
See Harvey E. Jobson, CE:Apr 71:41

Goughour, Roy R.
Mechanical Properties of a Sand-Ice System, with Orlando B. Andersland, PISST:pp.287-314, 1971
Dsc: Waddah Akili, PISST:pp.315-317, 1971
Clo: PISST:pp.318-319, 1971

Gould, Ansel V.
Computer Aided Control of a Bus Transit System, Preprint No.1439, July 71

Gould, Charles L.
Pollution, Politics and Protest, PP1:Oct 71:23:8468

Gould, James P.
Accuracy of Field Deformation Measurements, 4PCSM:pp.313-366, 1971
See Hugh Q. Golder, SM3:May 70:801:7292
See Salvatore V. DeSimone, Preprint No.1567, Oct 71

Gould, Phillip L.
Hyperboloids of Revolution Supported on Columns, with Seng-Lip Lee, EM.5:Oct 69:1083:6820
Dsc: David G. Elms, EM3:June 70:372:7309
Clo: EM1:Feb 71:131:7862
TR:136:312

Gourlay, Michael R.
Dsc, IR3:Sept 70:351:7498, of "Flow Retardance in Vegetated Channel ", IR2:June 69:329:6633
Dsc, HY12:Dec 70:2645:7711, of "Initial Instability of Fine Bed Sand", HY3:Mar 70:619:7139
Dsc, WW1:Feb 71:219:7868, of "Piling-Up Behind Low and Submerged Permeable Breakwaters", WW2:May 70:359:7283

Gouwens, Albert J.
See Kuang-Han Chu, TN: EM4:Aug 71:1329:8273

Gower, L. Elvin
A High-Rise Timber Mill Building, Preprint No.1394, Apr 71
Laminated Timber Used in High-Rise Mill Building, CE:Dec 71:40

Goyal, Atul C.
See Anand S. Arya, EM2:Apr 71:317:8010

Goyal, Brij B.
Slender Concrete Columns Under Sustained Load, with Neil Jackson, ST11:Nov 71:2729:8544
Dsc, ST7:July 71:2025:8225, of "Effects of Creep and Shrinkage on Prestressed Concrete Columns", ST10:Oct 70:2103:7614

Graber, S. David
See Thomas R. Camp, HY12:Dec 70:2631:7711
See Thomas R. Camp, SA6:Dec 71:903:8605

Grace, John L.
See Joseph P. Bohan, HY12:Dec 70:2401:7757

Grace, Robert A.
Ocean Wave Forces on a Subsurface Sphere, with Frederick M. Casciano, WW3:Aug 69:291:6722
Dsc: Robert G. Dean and Robert A. Dalrymple, WW3:Aug 70:733:7443
Clo: WW1:Feb 71:207:7868
TR:136:706

Graf, Edward D.
Compaction Grouting Technique and Observations, SM5:Sept 69:1151:6766
Dsc: Sachinder N. Gupta, SM3:May 70:1072:7249
Clo: SM1:Jan 71:242:7785
TR:136:91

Graf, Walter H.
Tests on Cylinders in Turbulent Flow, with Stephen C. Ko, TN: HY8:Aug 71:1265:8274
See Sebastian W. Bauer, IR1:Mar 71:73:7987

Graham, James
Scale and Boundary Effects in Foundation Analysis, with John Gordon Stuart, SM11:Nov 71:1533:8510

XUM

Graham, Roland R., Jr.
Glossary of Terms Pertaining to Structural Steel Engineering and Design, Ad Hoc Committee on Nomenclature, Administrative Committee on Metals of the Structural Division, ST8:Aug 71: 2137:8322

Granger, J. R.
Blasting Mass-Concrete at Grand Coulee Dam, CE: Aug 71:28

Grant, Joseph E.
Response Computation Using Truncated Taylor Serier, EM2:Apr 71:295:8019
Dsc: Robert E. Ball, EM5:Oct 71:1584:8406

Grant, Robert G.
Dsc, with Robert L. Mann, EM5:Oct 71:1573:8406, of "Inelastic Buckling of Axisymmetric Shells", EM6:Dec 70:1107:7765

Grantham, George R.
Model for Flow Augmentation Analysis-An Overview, with Edwin E. Pyatt, James P. Heaney and Buford J. Carter, Jr., SA5:Oct 70:1045:7578
TR:136:1131
Water Quality Simulation Model, with John C. Schaake, Jr. and Edwin E. Pyatt, SA5:Oct 71:569: 8429

Grass, Anthony J.
Initial Instability of Fine Bed Sand, HY3:Mar 70:619: 7139
Dsc: Michael R. Gourlay, HY12:Dec 70:2645: 7711; Hans Vollmers and Egon Giese, HY12: Dec 70:2649:7711
Clo: HY10:Oct 71:1751:8407
TR:136:1219

Granzinis, Visvaldas J.
Dsc, WW3:Aug 70:747:7443, of "Wave Refraction Near San Pedro Bay, California", WW3:Aug 69: 379:6749

Gray, Don M.
See Donald I. Norum, IR2:June 70:111:7331

Gray, Donald A.
See Gary H. Austin, HY6:Nov 69:1793:6877

Gray, Donald H.
Engineering Properties of Compacted Fly Ash, with Yen-Kuang Lin, Preprint No.1311, Jan 71
Properties of Compacted Sewage Ash, SM2:Mar 70: 439:7149
TR:136:587
Thixotropic Behavior of Compacted Clays, with Nouri A. Kashmeeri, SM1:Jan 71:193:7857

Gray, George A.
See Dan H. Pletta, PP1:Oct 71:131:8474

Gray, Leo R.
Dsc, IR2:June 70:223:7311, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401: 6281

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Keynote Address, ABS:pp.1-9, 1971

Gray, R. Fred
Cooling Water Studies at Electric Power Station, with J. Ben Stephenson, PO2:Oct 69:293:6853
TR:136:230

Gray, Richard E.
Mine Subsidence and Support Methods in Pittsburgh Area, with James F. Meyers, SM4:July 70:1267: 7407
TR:136:992
Dsc, with Henry A. Salver, SM5:Sept 70:1814:7499, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
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Dsc, with Henry A. Salver, SM1:Jan 71:258:7785, of "State of Predictive Art in Subsidence Engineering", SM2:Mar 70:721:7187

Graze, Harald R.
Dsc, HY3:Mar 71:455:7940, of "Pressure Surge Attenuation Utilizing an Air Chamber", HY5:May 70:1143:7267

Greated, C. A.
Particle Velocity Measurements with a Laser Device, with Norman B. Webber, 12CEC:pp.1951-1957, 1971

Grecco, William L.
See Thomas J. Hillegass, UP1:Mar 70:17:7126

Green, Preston Murdoch
Memoir of, TR:136:1349

Green, Robert J.
Dynamics of Impulsively Loaded Circular Plates, EM2:Apr 71:413:8079
Penetration of Beam on Plastic Foundation, TN: EM6:Dec 71:1769

Green, Roger
See Jostein Hellesland, ST4:Apr 71:1113:8033

Greenberg, Donald P.
Inelastic Analysis of Suspension Roof Structures, ST5:May 70:905:7284
Dsc: Eberhard Haug and Graham H. Powell, ST4: Apr 71:1360:8015

Greene, William L.
See Carmen F. Guarino, SA1:Feb 70:1:7050

Greenfield, B. James
See George Kisak, CE:Feb 71:67

Greenstein, Jacob
See Moshe Livneh, SM10:Oct 71:1491:8410

Grenney, William J.
See David A. Bella, SA6:Dec 70:1361:7744

Grierson, Donald E.
Collapse Load Analysis Using Linear Programming, with Graham M. L. Gladwell, ST5:May 71:1561: 8127
Dsc: Jack I. Nicholls and Clayton E. Lofthus, ST11:Nov 71:2769:8485

Griffin, Robert H.
Framework Studies in the Pacific Southwest, with Wallace R. Christensen, Preprint No.1314, Jan 71

Griffiths, Annabel C.
See Cornelius W. Kruse, NSCD:pp.113-136, 1971

Grigg, Neil S.
Motion of Single Particles in Alluvial Channels, HY12:Dec 70:2501:7770
Dsc: Harvey E. Jobson and Carl F. Nordin, HY9: Sept 71:1541:8345
Single Particle Radioactive Sediment Tracers, Preprint No.1301, Jan 71

Griggs, P. Harvey
Buckling of Reinforced Concrete Shells, EM3:June 71:687:8173

Groom, Graham M
Dsc, ST9:Sept 70:1975:7567, of "Box Girder Model Studies", ST12:Dec 69:2845:6966

Grossman, Irving
Dsc, SA2:Apr 70:623:7190, of " Regional Water Quality Standards", SA3:June 69:423:6596

Grosson, Joseph
See Patricio A. Laura, TN: EM1:Feb 71:145:7858

Gruendler, James D.
Barometric Leveling Analysis, with Frederick P. Thomack and James L. Clapp, Preprint No.1336, Jan 71
Evaluation of Barometric Leveling, with James L. Clapp and Paul R. Wolf, SU1:Apr 70:1:7195
TR:136:702

Grundy, Paul
Optimum Beam Layout for Large Areas, ST8:Aug 71:2085:8304

Grupenhoff, B. L.
See Robert M. Clark, SA5:Oct 71:563:8403

Guam, Carl H.
Dsc, WW2:May 71:428:8086, of "Problems of Inland Waterway Lock Dimensions", WW2:May 70:451:7295

Guarino, Carmen F.
Combined Sewer Considerations by Philadelphia, with Joseph V. Radziul and William L. Greene, SA1:Feb 70:1:7050
TR:136:825
Combined Sewers and Stormwater Drainage - Today and 2050 AD, with Joseph V. Radziul, CWFE:Mar 71:349

Guerra, Gustavo Perez
The Business and Practice of Foundation Engineering in Venezuela, 4PCSM:pp.379-390, 1971

Guha, S. K.
Analysis of Accelerograms and Structural Response, with S. P. Agarwal, V. P. Agarwal, P. D. Gosavi and S. C. Marwadi, TN: EM2:Apr 71:589:8017

Guild, Josephus Conn
Memoir of, TR:136:1351

Gulati, Om P.
Control of Sediment Flow Into Subsurface Drains, with Glenn O. Schwab and Ronald C. Reeve, IR4:Dec 70:437:7751
Dsc: Richard P. Long and Kent A. Healy, IR4:Dec 71:651:8553

Gullidge, Ellsworth J.
Planning for Pleasure Boating on Regional Basis, with Frank J. Urabeck, WW3:Aug 70:583:7453
TR:136:1041

Gump, Paul V.
Behavior Setting, Synormorphy, and Environmental Design, with Julius Marek, ABS:pp.61-73, 1971

Gunderson, Richard H.
Element Stiffness Matrix Generator, with Ayhan Cetiner, ST1:Jan 71:363:7842

Gungor, I.
See Mohammad Amin, Preprint No.1409, Apr 71

Gunwaldsen, Ralph W.
Cooling Water Structures for FitzPatrick Nuclear Plant, with Bruno Brodfeld and George E. Hecker, PO4:Dec 71:767:8572
Northfield Mountain Pumped Storage Project, with Antonio Ferreira, CE:May 71:53
Dsc: Large Pumped Storage Projects, C. F. Whitehead, CE:Sept 71:93

Gupta, D. F. Sen
See Dinesh Mohan, CE:Feb 70:49

Gupta, Raj P.
Dynamic Analysis of Staggered Truss Framing System, with Subhash C. Goel, Preprint No.1392, Apr 71

Gupta, Sachinder N.
Dsc, SM3:May 70:1072:7249, of "Compaction Grouting Technique and Observations", SM5:Sept 69:1151:6766
Dsc, SM4:July 70:1473:7385, of "Sand Densification by Piles and Vibroflotation", SM6:Nov 69:1303:6892
Dsc, SM6:Nov 70:2144:7643, of "Relaxation of Piles in Sand and Inorganic Silts", SM2:Mar 70:395:7123
Dsc, PISST:pp.224-226, 1971, of "Sand Densification by Piles and Vibrofloatation", PISST:pp.203-224, 1971
Dsc, SM2:Feb 71:497:7866, of "Review of Collapsing Soils", SM3:May 70:925:7278
See Jerome C. Neyer, SM6:Nov 70:2138:7643
See Jerome C. Neyer, PISST:pp.87-89, 1971

Gur, Adnan
See Shyam S. Mohanka, SA1:Feb 70:183:7046

Guralnick, Sidney A.
See Charles A. Miller, ST12:Dec 70:2625:7768
See Michel L. Mikhail, EM5:Oct 71:1363:8414

Gurfinkel, German
Analysis of Footing Subjected to Biaxial Bendine, ST6:June 70:1049:7329
Dsc: K. S. Rajagopalan, ST10:Oct 70:2252:7570; Ti Huang, ST2:Feb 71:734:7867
Clo: ST12:Dec 71:2882:8557
Multistory Prefabricated Columns, CO2:Oct 70:137:7587
Errata: CO1:Mar 71:168:7939
School Buildings Feature Polygon Shape, CE:Dec 70:31
TR:136:1184

Guter, Kurt J.
Dsc, with Wayne F. Echelberger, Jr. and Mark W. Tenney, SA1:Feb 71:109:7865, of "Evaluation of Anaerobic Denitrification Processes", SA2:Apr 70:267:7211

Gutierrez, Hector Lopez
Study of Topolobampo's Bay, Mexico, Entrance, with Daniel Cervantes Castro, 12CEC:pp.1151-1169, 1971

Gutman, Robert
Use of Sociology in Design Practice, ABS:pp.109-114, 1971

Gutti, Subba Rao
Movement of Small Gas Bubbles in Smoothly Decelerating Liquid, HY7:July 71:117:8251

Gutzwiller, Martin J.
See John E. Goldberg, EM5:Oct 68:1127:6181

Guy, Harold P.
Flood Flow Downstream from Slide, TN: HY4:Apr 71:643:8018
Dsc, HY5:May 70:1212:7248, of "Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual", HY5:Sept 69:1477:6756

Guyton, Joseph W.
Planning for Campus Traffic and Parking, with George L. Reed, TE1:Feb 71:63:7880
Dsc: V. Setty Pendakur and K. Sukumaran, TE4:Nov 71:717:8486

XUM

Gwinn, Wendell R.
Calibration of Walnut Gulch Supercritical Flumes, HY8:Aug 70:1681:7479
Dsc: Herman J. Koloseus, HY1:Jan 71:214:7783; James J. Sharp, HY4:Apr 71:627:8012; Roger E. Smith and Leonard J. Lane, HY5:May 71:749:8081

Haack, Harvey O.
Games for Simulating Urban Development Process, with George L. Peterson, UP2:Dec 71:149:8568

Haag, Fred G.
Transport Equation Stability and Estuary Modeling, with Keith W. Bedford, HY12:Dec 71:2051:8610

Hacking, Brent B.
See Gaylord V. Skogerboe, IR3:Sept 70:309:7542

Haddadin, Munther J.
Stirrup Effectiveness in RC Beams with Axial Force, with Alan H. Mattock, ST9:Sept 71:2277:8394
Dsc, ST4:Apr 70:864:7191, of "Photoelastic Study of Beams on Elastic Foundations", ST8:Aug 69:1713:6739

Hadjian, Asadour H.
Design Criteria for Turbine-Generator Pedestals, PO1:Jan 70:1:6991
Dsc: Paul Rogers, PO1:Jan 71:236:7784
Clo: PO4:Dec 71:873:8554
Earthquake Forces on Equipment in Nuclear Power Plants, PO3:July 71:649:8240
Dsc, ST1:Jan 70:159:6990, of "Earthquake Design Criteria for Subways", ST6:June 69:1213:6616

Haga, P. Blair
PWR Containment Structures Design Experience, with John D. Stevenson, PO1:Jan 70:145:7037
TR:136:437

Hagerty, Donald J.
Heave and Lateral Movements Due to Pile Driving, with Ralph B. Peck, SM11:Nov 71:1513:8497
Dsc, with Joseph L. Pavoni and John E. Heer, Jr., SA3:June 71:384:8157, of "Sample Weights in Solid Waste Composition Studies", SA4:Aug 70:945:7469
Dsc, SM7:July 71:1043:8224, of "Performance of Four Foundations on End Bearing Piles", SM1:Jan 71:77:7807
See Joseph L. Pavoni, SA2:Apr 71:243:8013

Hagg, J. N.
See M. P. Daruwalla, CE:Apr 71:38

Hagood, Mel A.
Dsc, IR4:Dec 69:610:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Hahn, Hong T.
See Vernon H. Neubert, EM1:Feb 70:69:7099

Hahn, Oscar M.
Stability Problems of Wood Truss Bridge, ST2:Feb 70:353:7095
Dsc: George H. Kyanka, ST7:July 70:1624:7386; Jacob Feld, ST8:Aug 70:1852:7442; E. George Stern, ST9:Sept 70:1980:7567; James H. Carr, Jr., ST10:Oct 70:2245:7570; William C. Almeyer, ST11:Nov 70:2545:7644; William G. Byers, ST11:Nov 70:2545:7644
Clo: ST5:May 71:1636:8084
TR:136:804

Hails, Robert L.
See Conrad P. Heins, Jr., ST11:Nov 69:2353:6876

Haisch, William Thomas
See Zaher Shoukry, ST6:June 70:1105:7349

Haise, Howard R.
Automation of Surface Irrigation Systems, with Gordon E. Kruse, IR4:Dec 69:503:6969
TR:136:248

Haisler, Walter E.
See James A. Stricklin, ST9:Sept 71:2299:8392

Hakman, Peter A.
Dsc, with William P. Kinneman, WW2:May 70:557:7252, of "All-Weather Tanker Terminal for Cook Inlet, Alaska", WW2:May 69:131:6549

Hale, John Simpson
Macro-Turbulence from Wind Waves, with Frank D. Masch, 12CEC:pp.223-242, 1971

Haley, Steven C.
See Kenneth L. Lee, PISST:pp.345-374, 1971

Hall, David J.
C.E. for C.E.'s - Who Needs It?, Preprint No.1340, Jan 71

Hall, John R., Jr.
Session V: Dynamic Loadings (Earthquakes, Machinery), PISST:pp.135-140, 1971

Hall, R. Ian
See Desmond L. Webb, SM6:Nov 69:1365:6882
See Desmond L. Webb, PISST:pp.393-406, 1971

Hall, Stephen
Air Traffic Simulation, 1- and 2-Runway Airports, Preprint No.1421, July 71

Hall, Warren A.
Optimal Allocation of Stochastic Water Supply, with David T. Howell, IR4:Dec 70:395:7718
Dsc: Raphael G. Kazmann, IR3:Sept 71:535:8346

Halliwell, A. Roy
Density Currents and Turbulent Diffusion in Locks, with Martin O'Dell, 12CEC:pp.1959-1977, 1971
Dsc, with Sabah A. Al-Nassri, HY12:Dec 70:2615:7711, of "Efficient Code for Steady-State Flows in Networ ", HY1:Jan 70:43:7002

Halpin, D. W.
Heuristic Gaming Approach to Construction Management, with Ronald W. Woodhead, Preprint No.1550, Oct 71

Haltenhoff, Charles E.
Mini Automobile-shredding Plant for Western Michigan, CE:Apr 71:55

Ham, Robert K.
Agglomerate Size Changes in Coagulation, with Russell F. Christman, SA3:June 69:481:6605
Dsc: Thomas R. Camp, SA6:Dec 69:6931; Richard I. Dick, SA2:Apr 70:1268:7569
TR:136:127

Hamblet, Frederick E.
See William F. Hill, Jr., NSCD:pp.223-243, 1971
See William F. Hill, Jr., SA5:Oct 71:601:8423

Hamel, James V.
Kimbley Pit Slope Failure, 4PCSM:pp.117-127, 1971
Dsc, SM5:Sept 70:1833:7499, of "Coefficient of Friction of Natural Rock Surfaces", SM2:Mar 70:385:7121

Hamilton, Wallis S.
Fluid Force Analysis and Accelerating Sphere Tests, with James E. Lindell, HY6:June 71:805:8195

Hamilton, William F.
Alternative Paths to Guideway Transportation, UTI:pp.385-403, 1971

Hamlin, C. F.
Dsc, CE:Sept 70:72, on Temporary Bypass Bridge Designed for Salvage, CE:Mar 70:51

Hammack, Joseph L., Jr.
Dsc, WW2:May 71:417:8086, of "Water Waves Generated by Landslides in Reservoirs", WW2:May 70:307:7279

Hammad, Hammad Y.
Future of Ground Water in African Sahara Desert, IR4:Dec 69:563:6986
Dsc: Ahmed El Mimr, IR3:Sept 70:374:7498; Robert L. McFall, IR3:Sept 70:375:7498
Clo: IR1:Mar 71:215:7941
TR:136:392

Hammitt, George M., II
See Donald N. Brown, TE4:Nov 69:617:6874

Hammond, David G.
BART Demonstration Program, TE4:Nov 71:627:8508

Hampton, Delon
Wave Propagation in Confined Clay, with Peter J. Huck and Ernest T. Selig, SM4:July 70:1391:7434
Dsc: Andrew Eberhardt, PO1:Jan 71:251:7784
Errata: SM5:May 71:807:8083
TR:136:1020
Dsc, CE:Jan 71:45, on Black People Call for ASCE Social Action, CE:Dec 69:73

Hancher, Donn E.
Mathematical Model for Aggregate Plant Production, with John A. Havers, TN: CO1:Mar 71:171:7972

Hancock, Gregory J.
See Nicholas S. Trahair, EM6:Dec 71:1753:8551

Hancock, John C.
Dsc, SA2:Apr 70:636:7190, of "Septic Tank Systems", SA4:Aug 69:715:6735

Handa, B. K.
See R. H. Siddiqi, SA1:Feb 71:91:7912

Handa, Virginia K.
See Richard W. Cockfield, UP2:Dec 71:191:8582

Handerson, Clark D.
See Robert A. Burco, TE2:May 71:205:8126

Hands, Edward B.
See James H. Saylor, 12CEC:pp.839-853, 1971

Haney, Dan G.
Measurement of Community Values in Transportation Network Evaluation, Preprint No.1436, July 71

Hann, Roy W., Jr.
Analysis Techniques for Houston Ship Channel, WW2:May 70:171:7258
TR:136:1193

Hanna, Thomas H.
See Robert W. Carr, TN: SM5:May 71:833:8087

Hanrahan, E. T.
Dsc, with P. X. Goodwin, SM1:Jan 70:321:689, of "Time Dependent Deformation of Normally Consolidated Clays and Peats", SM1:Jan 69:1:6337

Hansell, William C.
See George C. Driscoll, ST1:Jan 70:17:6995

Hansen, Harold W.
A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee, TE3:Aug 69:399:6717
Dsc: Amos Roos, TE2:May 70:245:7251; Amos Roos and Labh S. Sachdev, TE2:May 70:247:7251
TR:136:659

Hansen, R. L.
See J. C. Schuster, Preprint No.1294, Jan 71

Hansen, Ray S.
Dsc, CE:Nov 70:64, on Changes Necessary in ASCE, CE:July 70:83

Hanshaw, Bruce B.
See William Back, HY11:Nov 70:2325:7702

Hanson, John M.
Fatigue Tests of Prestressed Concrete I-Beams, with Cornie L. Hulsbos and David A. VanHorn, ST11:Nov 70:2443:7705
Dsc: Ganpat S. Pandit, ST8:Aug 71:2155:8271; Herman Tachau, ST9:Sept 71:2429:8348

Hanson, Norman W.
Seismic Resistance of Concrete Frames with Grade 60 Reinforcement, ST6:June 71:1685:8180

Hanson, Richard E.
Water Distribution with Traveling Gun Sprinklers, Preprint No.1321, Jan 71

Happ, Stafford C.
Dsc, HY4:Apr 71:588:8012, of "Sedimentation Engineering, Chapter 3: Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY5:May 70:1157:7269

Dsc, HY4:Apr 71:597:8012, of "Sedimentation Engineering, Chapter IV: Sediment Sources and Sediment Yields, Task Committee on Preparation of Manual on Sedimentation", HY6:June 70:1283:7337

Harbert, Richard
Engineering for People, Preprint No.1456, July 71

Harboe, Ricardo C.
Optimal Policy for Reservoir Operation, with Fereidoun Mobasheri and William Wen-Gong Yeh, HY11:Nov 70:2297:7673
Dsc: Robert L. McFall, HY4:Apr 71:639:8012

Hardie, Michael G.
See Ju-Chang Huang, SA4:Aug 71:467:8318

Hardin, Jay C.
Stochastic Model of Turbulent Channel Flow, with Arnold L. Sweet, EM2:Apr 71:375:8056

Harding, V. J.G.
Dsc, SA4:Aug 69:783:6706, of "Filtration Through a Trimedia Filter", SA3:June 68:521:6014

Hari, V. Mura
Dsc, HY12:Dec 70:2618:7711, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY12:Dec 70:2665:7711, of "Resistance to Flow over Two-Dimensional Strip Roughness", HY3:Mar 70:815:7181

XUM

Harich, Henry W.
Aeration of Flow Below Navigation Dams - St. Paul District, Preprint No.1561, Oct 71

Harig, Richard F.
Structural and Foundation Computer-Based Design, with Daniel J. McDermott, ST1:Jan 71:315:7843

Harkness, Richard C.
Communications Substitutes for Intra-urban Travel, Preprint No.1453, July 71

Harlan, Richard C.
See J. George Thon, SM9:Sept 71:1317:8361

Harleman, Donald R.F.
Salinity Intrusion Effects in Estuary Shoaling, with Arthur T. Ippen, HY1:Jan 69:9:6340
Dsc: Morrough P. OBrien, HY6:Nov 69:2168: 6866; Emmanuel Partheniades, HY1:Jan 70:264: 6988
TR:136:772
See John H. Nath, WW4:Nov 69:539:6924
See John H. Nath, WW2:May 70:373:7285
See Edward R. Holley, HY8:Aug 70:1691:7488

Harlin, Curtis C.
See Richard E. Thomas, IR3:Sept 70:289:7538

Harlow, Eugene H.
Offshore Floating Terminals, WW3:Aug 71:531:8295
Dsc, CE:Apr 71:41, on Population and People, CE: Dec 70:27

Harpaz, Yoav
Artificial Ground-Water Recharge by Means of Wells in Israel, HY12:Dec 71:1947:8579

Harper, A.
See J. A. Zwamborn, 12CEC:pp.13-31, 1971

Harper, G. Neil
See Niles O. Sutphin, UP1:Apr 71:63:8055

Harper, Martin E.
Drying of Sand-Digested Sludge Mixtures, with Brian W. Mar, SA2:Apr 70:381:7222
Errata: SA1:Feb 71:120:7865
TR:136:595
See Brian W. Mar, SA2:Apr 70:651:7190

Harpster, James D.
Dsc, CE:May 70:43, on The Civil Engineer and the Conservationist, CE:Feb 70:37

Harr, Milton E.
Euler Beams on a Two Parameter Foundation Model, with John L. Davidson, Da-Min Ho, Luis E. Pombo, S. V. Ramaswamy and John C. Rosner, SM4:July 69:933:6651
Dsc: N. S.V. Kameswara Rao, SM3:May 70:1055: 7249
Clo: SM1:Jan 71:240:7785
TR:136:816
See Arthur H. Dvinoff, SM1:Jan 71:47:7806

Harris, D. Lee
The Analysis of Wave Records, 12CEC:pp.85-100, 1971
See D. Esteva, 12CEC:pp.101-116, 1971

Harris, Garth S.
Real Time Routing of Flood Hydrographs in Storm Sewers, HY6:June 70:1247:7327
Dsc: Ben Chie Yen, HY2:Feb 71:368:7863; Shih-Tun Su, HY3:Mar 71:464:7940
Clo: HY11:Nov 71:1893:8483

Harris, Harry G.
Inelastic Behavior of R/C Cylindrical Shells, with Richard N. White, Preprint No.1401, Apr 71

Harris, James
See John E. Johnson, Preprint No.1381, Apr 71

Harris, John F.
See Arthur R. Robinson, EM2:Apr 71:457:8047

Harris, Philip J.
See Abdul Q. Khan, ST5:May 71:1646:8084

Harris, Robert B.
See John R. Baldwin, CO2:Nov 71:177:8501

Harris, Robert W.
Proposed Transportation and Visitor Center, TE3: Aug 70:301:7459
Errata: TE3:Aug 71:578:8268
TR:136:1032

Harris, Roland W.
See Douglas L. Inman, 12CEC:pp.919-933, 1971

Harrison, Howard B.
See Ian K. Lee, ST2:Feb 70:177:7059

Harrison, John
See Garbis H. Keulegan, WW2:May 70:219:7261

Harrison, W.
Field Study of a Tidal Inlet, Bimini, Bahamas, with R. J. Byrne, J. D. Boon, III and R. W. Moncure, 12CEC:pp.1201-1222, 1971

Harstead, Gunnar A.
Grouted Tendons for Nuclear Containment, with Richard E. Kummerle, PO2:Oct 69:277:6852
Dsc: Chen Pang Tan, PO3:June 70:490:7312
Clo: PO2:Mar 71:586:7942
TR:136:197
Inelastic Behavior of H-Columns Under Biaxial Bending, with Charles Birnstiel and Keh-Chum Leu, ST10:Oct 68:2371:6173
Clo: ST7:July 71:2011:8225
TR:136:639
Testing Of Large Curved Prestressing Tendons, with Richard E. Kummerle, John C. Archer and Mark M. Porat, PO2:Mar 71:475:7966

Hart, Gary C.
Building Dynamics Due to Stochastic Wind Forces, ST3:Mar 70:535:7154
TR:136:848
See V. R. Mc Lamore, ST10:Oct 71:2567:8454

Hart, Stanley I.
Dsc, CE:May 71:78, on The Alternative to Unionism, CE:Feb 71:43

Hartenstein, Alan Gene
See Sudershan Malhotra, SA5:Oct 71:629:8432

Hartlen, Ronald T.
Lift-Oscillator Model of Vortex-Induced Vibration, with Iain G. Currie, EM5:Oct 70:577:7606
Dsc: Chin-Yih Kuo, EM2:Apr 71:585:8011; Geoffrey V. Parkinson, EM3:June 71:1023:8154

Hartman, John Paul
Dsc, CO2:Nov 71:335:8482, of "Development of Tunneling Methods and Controls", CO2:Oct 70:99: 7577

Hartmann, Alois J.
Experimental Study of Flexural-Torsional Buckling, ST7:July 70:1481:7414
Dsc: David A. Nethercot, ST3:Mar 71:1000:7944
Clo: ST10:Oct 71:2605:8411
TR:136:1325
Inelastic Flexural-Torsional Buckling, EM4:Aug 71: 1103:8294
Dsc, ST4:Apr 70:859:7191, of "Deformations of Geometrically Imperfect Beams", ST7:July 69:1475: 6682
See R. J. McCaffry, Preprint No.1379, Apr 71

Hartzell, Frank C., Jr.
Dsc, with Cetin A. Okcuoglu, PO3:June 70:486:7312, of "Analysis and Design of Tower Foundations", PO1:Mar 69:77:6469

Harvey, James M.
See James Rhodes, ST8:Aug 71:2119:8327

Harward, E. D.
See J. G. Terrill, SA3:June 69:545:6620

Hasen, Hans
Guri Hydroelectric Project Designed for Staged Development, with P. H. Palacios H., CE:Dec 71: 55
Structural Aspects of the Guri Hydroelectric Project, with P. Palacios H., Preprint No.1413, Apr 71

Hashimoto, Hiroshi
See Nobuo Shuto, 12CEC:pp.1587-1599, 1971

Hashish, Mahmoud G.
Free Vibration of Hyperbolic Cooling Towers, with Salman H. Abu-Sitta, EM2:Apr 71:253:8037

Hasofer, Abraham M.
Dsc, ST5:May 70:988:7250, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389: 6667

Hassani, Jay J.
See Charles F. Millard, CE:June 71:71

Hasselman, T. K.
Train Dynamics by Complex Mode Synthesis, with A. Kaplan, Preprint No.1487, July 71

Hatfield, F.
Dsc, CE:Nov 70:65, on Undersea Oil Storage Tank, CE:Aug 70:57

Hattersley, Ralph T.
Dsc, HY4:Apr 71:601:8012, of "136", HY7:July 70: 1403:7399

Hauer, Ezra
Determination of Wheel Trajectories, TE4:Nov 70: 463:7653
Dsc: Wilfred Revell and John T. Tuohey, TE4: Nov 71:706:8486

Haug, Eberhard
Dsc, with Graham H. Powell, ST4:Apr 71:1360:8015, of "Inelastic Analysis of Suspension Roof Structures", ST5:May 70:905:7284

Haupt, Harold F.
See Edward R. Burroughs, Jr., Preprint No.1326, Jan 71

Hauser, Louis G.
Cooling Water Sources For Power Generation, PO1: Jan 71:123:7804

Hauser, Victor L.
See Robert L. McFall, CE:Apr 71:41

Havers, John A.
Civil Engineering Education: A Preparation for Management, PP1:Sept 70:1:7544
TR:136:844
See Frederick J. Seeger, TE4:Nov 70:603:7667
See Donn E. Hancher, TN: CO1:Mar 71:171:7972

Hawaleshka, O.
The Development of Undular Bores with Friction, with S. B. Savage, 12CEC:pp.461-472, 1971

Hawkes, Samuel L.
See Marlyn E. Clark, EM5:Oct 69:1189:6854

Hawkins, Neil M.
Influence of the Stud on Composite Beam Behavior, Preprint No.1543, Oct 71
Dsc, EM2:Apr 70:167:7188, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3: June 69:531:6604
Dsc, ST12:Dec 71:2902:8557, of "Eccentrically Loaded Bolted Connections", ST3:Mar 71:765:7956

Hay, Nessim
Performance and Design of Labyrinth Weirs, with Geoffrey Taylor, HY11:Nov 70:2337:7691
Dsc: Louis A. Darvas, HY8:Aug 71:1246:8267

Hayashi, Taizo
Formation of Dunes and Antidunes in Open Channels, HY2:Feb 70:357:7056
Dsc: Alfred Fuhrboter, HY11:Nov 70:2385:7641
Errata: HY2:Feb 71:353:7863
Clo: HY7:July 71:1135:8223
TR:136:648

Haydock, J. L.
Dsc, HY4:Apr 70:1091:7189, of " Needle Valves as Pressure Regulators", HY5:Sept 69:1633:6787

Hayes, James C.
Inelastic Buckling of Axisymmetric Shells, with Lawrence H.N. Lee, EM6:Dec 70:1107:7765
Dsc: Robert G. Grant and Robert L. Mann, EM5: Oct 71:1573:8406; Anthony N. Palazotto, EM5: Oct 71:1576:8406

Hayes, John M.
Dsc, PP1:Oct 71:158:8408, of "The Ethics of Teacher Evaluation", PP1:Oct 71:153:8465
Dsc, with Carey H. Brown, Alfred C. Maevis, George L. Jackson and Gordon L. Williams, CE: Dec 71:63, on A Word With The Executive Director About. . . The Quality of Personal Success, CE:June 71:37

Hayes, Michael D.
See Jaroslav Pospisil, PO1:Jan 70:73:7012

Hayes, Miles O.
Offset Coastal Inlets, with Victor Goldsmith and Carl H. Hobbs, III, 12CEC:pp.1187-1200, 1971

Haynes, Harvey H.
Concrete Hulls for Undersea Applications, with Lawrence F. Kahn and Jerry D. Stachiw, ST4:Apr 71:1283:8078
Cylindrical Concrete Hulls under Hydrostatic Loading, with N. D. Albertsen, Preprint No.1363, Apr 71

Haynes, Wesley E.
Should Registration Involve Politics?, CE:May 71:83

Healy, Kent A.
Pullout Resistance of Anchors Buried in Sand, TN: SM11:Nov 71:1615:8511
See Richard P. Long, IR4:Dec 71:651:8553

Heaney, Alex C.
Space-Time Transformation of Live Load Data, Preprint No.1396, Apr 71

Heaney, James P.
Dsc, SA2:Apr 71:240:8013, of "Decentralized Solid Waste Collection Facilities", SA5:Oct 70:1035:7594
See George R. Grantham, SA5:Oct 70:1045:7578
See Buford J. Carter, Jr., SA3:June 71:345:8203

Heathington, Kenneth W.
Systems Approach and the Civil Engineer, with R. Brian Bonton, PP1:Oct 71:65:8457
Dsc: Thomas C. Kavanagh, PP1:Oct 71:75:8408
Traffic Volume Characteristics of Urban Freeways, with Paul R. Tutt, TE1:Feb 71:105:7921

XUM

Hebaus, George G.
Crest Losses for Two-Way Drop Inlet, HY3:May 69: 919:6570
Dsc: Turgut Sarpkaya, HY2:Feb 70:589:7045
Clo: HY4:Apr 71:571:8012
TR:136:115

Hecker, George E.
See Ralph W. Gunwaldsen, PO4:Dec 71:767:8572

Hedefine, Alfred
Design and Construction of Newport Bridge, with Herbert M. Mandel, ST11:Nov 71:2635:8529
Newport Bridge Superstructure, with Louis G. Silano, ST11:Nov 71:2653:8533
Newport Suspension Bridge, with Louis G. Silano, CE:Aug 70:64
Dsc: Parallel-wire Bridge Strands, Juhani Virola, CE:Jan 71:59
Clo: Parallel-wire Bridge Strands, Alfred Hedefine, CE:Jan 71:59
TR:136:670

Hedges, Charles S.
Professional Practice for the Young Engineer, PP1: Sept 70:89:7558
TR:136:1201
Standard Test Boring with Drilling Mud, 4PCSM: pp.63-75, 1971

Hedley, William J.
Goals of the Conference, ABS:pp.v-vii, 1971

Heer, E.
See J. N. Yang, Preprint No.1372, Apr 71

Heer, Ewald
See Jann-Nan Yang, TN: EM4:Aug 71:1307:8273

Heer, John E., Jr.
See Donald J. Hagerty, SA3:June 71:384:8157

Heger, Frank J.
Design of FRP Fluid Storage Vessels, ST11:Nov 70: 2465:7698
Errata: ST10:Oct 71:2607:8411
TR:136:1276

Heiberg, Sigurd
See Anwar E.Z. Wissa, SM10:Oct 71:1393:8447

Heidebrecht, Arthur C.
Analysis of Asymmetrical Coupled Shear Walls, with R. David Swift, ST5:May 71:1407:8100
Frequency Analysis of Thin-walled Shear Walls, with Ravinora K. Raina, Preprint No.1358, Apr 71
Frequency Analysis Of Thin-Walled Shear Walls, with Ravinora K. Raina, EM2:Apr 71:239:8028
See A. W. Irwin, Preprint No.1378, Apr 71

Heidhardt, Glen L.
See Leif E. Fugelso, EM6:Dec 68:1337:6266

Heine, Walter N.
Treatment of Mine Drainage by Industry in Pennsylvania, with Ernest F. Giovannitti, SA3:June 70:743:7362
TR:136:964

Heinemann, Herman G.
Dsc, with David L. Rausch, HY9:Sept 71:1555:8345, of "Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual", HY12: Dec 70:2417:7781

Heins, Conrad P., Jr.
Behavior of Single Horizontally Curved Girder, with Kenneth R. Spates, ST7:July 70:1511:7420
Errata: ST5:May 71:1639:8084
TR:136:1031
Behavior of Stiffened Curved Plate Model, with Robert L. Hails, ST11:Nov 69:2353:6876
Dsc: Chen Pang Tan, ST5:May 70:1001:7250; Ganpat S. Pandit, ST8:Aug 70:1813:7442
Clo: ST3:Mar 71:964:7944
TR:136:329
See Lansford C Bell, ST8:Aug 70:1657:7462
See Henry W. L. Lee, ST4:Apr 71:1143:8045

Heintzleman, Walter G.
The City and the Civil Engineer, PP1:Oct 71:55:8479

Heiser, William J.
Dsc, CE:Sept 71:87, on Engineering-Architecture Interprofessional Practice, CE:Apr 71:37

Heitner, Kenneth L.
Numerical Model for Tsunami Run-Up, with George W. Housner, WW3:Aug 70:701:7491
Errata: WW4:Nov 71:766:8488
TR:136:1071

Hejal, Salim S.
Optimal Selection of Flexible Pavement Components, with Thomas R. Buick and Joseph C. Oppenlander, TE2:Feb 71:1:7877
Dsc: Richard de Neufville, TE4:Nov 71:715:8486

Helfgott, T.
Analytic and Process Classification of Effluents, with J. V. Hunter and D. Rickert, SA3:June 70:779:7374
Errata: SA1:Feb 71:129:7865

Hellesland, Jostein
Sustained and Cyclic Loading of Concrete Columns, with Roger Green, ST4:Apr 71:1113:8033
Dsc: John E. Campbell, ST10:Oct 71:2627:8411; Narayana K. Raju, ST12:Dec 71:2923:8557
Dsc, ST6:June 71:1827:8159, of "Effects of Creep and Shrinkage on Prestressed Concrete Columns", ST10:Oct 70:2103:7614

Helms, Billy P.
Locational Models for Solid Waste Management, with Robert M. Clark, UP1:Apr 71:1:8061
Selecting Solid Waste Disposal Facilities, with Robert M. Clark, SA4:Aug 71:443:8280
See Robert M. Clark, SA5:Oct 70:1035:7594

Helms, Russell E.
The Aftereffects of Annexation--A Case Study, UP1: Apr 69:15:6490
TR:136:811

Hemming, Charles
Local Sections and Social Action: How It Stands, CE:Nov 70:33
TR:136:1109
What Industry is Doing About Pollution Control, CE:Sept 71:59

Henderson, Clark
Specialization of Urban Transportation Systems, UTI: pp.405-420, 1971

Henderson, John M.
Dsc, SA4:Aug 71:531:8269, of "Water and Health-Are We Concerned Enough?", SA5:Oct 70:1147: 7595

Henderson, Krieger W., Jr.
See James R. Novak, TE4:Nov 70:523:7663

Hendricks, David W.
See A. Bruce Bishop, SA1:Feb 71:41:7898

Henry, High B.
Federal Experience in Topics, Preprint No.1448, July 71

Henry, Keith A.
Earth Dam Built Without Dewatering, CE:Jan 71:37

Hensley, Marble J.
Guide for Public Agency Professional Development, PP1:Sept 70:55:7553
Dsc: John D. Bristor, PP1:Oct 71:231:8408

Hensley, Robert J.
See Myron W. DeGeer, Preprint No.1299, Jan 71
See Myron W. DeGeer, WW4:Nov 71:631:8494

Herbich, John B.
Comparison of Model and Beach Scour Patterns, 12CEC:pp.1281-1300, 1971
Dredging Methods For Deep-Ocean Mineral Recovery, WW2:May 71:385:8120
Forces Due to Waves on Submerged Structures, with George E. Shank, WW1:Feb 71:57:7870
Dsc: Subrata K. Chakrabarti, WW3:Aug 71:592:8272

Herman, Lloyd G.
See Winfred F. Maline, NSCD:pp.307-318, 1971

Herman, William I.
Financing Metro, TE4:Nov 70:571:7680
TR:136:1291

Hermsmeier, Lee F.
Friction Factors for Corrugated Plastic Tubing, with Lyman S. Willardson, IR3:Sept 70:265:7531
Dsc: Andre Van der Beken, IR2:June 71:330:8156; Pashupati N. Modi, IR2:June 71:333:8156; Mordechai H. Diskin, IR2:June 71:334:8156; Gee Tsang and Ross W. Irwin, IR2:June 71:334:8156

Herring, David M.
1,250-ton Rotating Derrick, CE:July 71:53

Herrmann, Leonard R.
See David Q. Fletcher, EM1:Feb 71:95:7932

Herrschaft, D. C.
See Peter C. Birkemoe, CE:Apr 70:42

Hesse, Victor L.
See Stephen V. Allison, IR4:Dec 69:537:6978

Hicks, Joe A., Jr.
Right-of-Way Surveys, SU2:Sept 68:227:6121
TR:136:576

Higgins, David T.
Dsc, HY12:Dec 70:2642:7711, of "Nonsteady Flow to Surface Reservoir", HY3:Mar 70:609:7137

Higgins, Robert F.
Reinforced Masonry Bearing Walls Used in 13-Story Buildings, CE:Nov 70:40
TR:136:994

Higgs, John
See Geoffrey B. Warburton, EM6:Dec 71:1743:8551

Hight, Hugh W.
Cabin Creek Pumped Storage Hydroelectric Project, PO1:Jan 71:135:7826

Hilaly, Nabil
Water Waves Over a Rectangular Channel Through a Reef, WW1:Feb 69:77:6409
TR:136:661

Hiler, Edward A.
See Wilfredo P. David, IR3:Sept 70:241:7507

Hill, Alan T.
Residential-Recreation Development, CE:Dec 71:60

Hill, Albert L.
Dsc, HY4:Apr 71:592:8012, of "Sedimentation Engineering, Chapter 3; Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY5:May 70:1157:7269

Hill, Duane W.
Water Management and the Public, with Roy L. Meek, UWRM:pp.43-46, 1971

Hill, Floyd R.
See Frank D. Masch, 12CEC:pp.2031-2050, 1971

Hill, Harry M.
Instability of Flat Bed in Alluvial Chann , with Vajapeyam S. Srinivasan and Tharakkal E. Unny, Jr., HY5:Sept 69:1545:6770
Dsc: Thomas Maddock, Jr., HY4:Apr 70:1080:7189; Abu M.Z. Alam, HY4:Apr 70:1081:7189; Charles R. Neill, HY4:Apr 70:1085:7189; Mohammad Akram Gill and P. Natarajan, HY4:Apr 70:1086:7189; Johannes Gessler, HY4:Apr 70:1088:7189; Hans Vollmers and Egon Giese, HY6:June 70:1357:7310; K. G. Ranga Raju and Ramachandra J. Garde, HY7:July 70:1617:7384
Clo: HY3:Mar 71:443:7940
TR:136:196
See Nicholas Kouwen, IR2:June 69:329:6633
See Gordon Keir, HY4:Nov 69:1781:6875

Hill, William F., Jr.
Viral Disinfection of Estuarine Water by UV, with Elmer W. Akin, William H. Benton and Frederick E. Hamblet, NSCD:pp.223-243, 1971
Viral Disinfection of Estuarine Water by UV, with Elmer W. Akin, William H. Benton and Frederick E. Hamblet, SA5:Oct 71:601:8423

Hillegass, Thomas J.
Community Decision Structure and Urban Planning Process, with Charles C. Schimpeler and William L. Grecco, UP1:Mar 70:17:7126
Dsc: Charles E. Zell, UP1:Apr 71:119:8016

Hillman, Howard D.
Transport - - Simulation of a Total Transportation System, with Joseph E. Jakobache, Preprint No.1515, July 71

Hillman, Jimmye S.
See William E. Martin, IR4:Dec 69:611:6930

Hills, David K.
Hydraulically Ventilated Underground Filter, with Ray B. Krone, SA6:Dec 71:851:8596

Hilsdorf, Hubert K.
See Edwin G. Burdette, ST2:Feb 71:587:7905

Hindley, Peter D.
Thermal Discharge: A Model-Prototype Comparison, with Russell M. Miner and Ramon Cayot, PO4:Dec 71:783:8580

Hine, Virginia M.
Tunnel Vision or Ecological View, IR3:Sept 71:397:8368

Hinkel, J. E.
Semiautomatic Self-shielded Flux-cored Electrode Welding in Structural Fabrication and Erection, Preprint No.1418, Apr 71

Hino, Mikio
Runoff Forecasting By Variable Transformation, HY4:Apr 70:871:7203
TR:136:676

XUM

Runoff Forecasts by Linear Predictive Filter, HY3: Mar 70:681:7146
Dsc: Mehmetcik Bayazit, HY11:Nov 70:2394: 7641
Clo: HY6:June 71:866:8155
TR:136:655

Hinueber, G. L.
See Everett C. Rodabaugh, UPC:Apr 71

Hirai, Itio
Eigenvalue Analysis of Structures by Folding Force, with Torazo Yoshimura, EM6:Dec 70:1081:7728
Errata: EM6:Dec 71:1742:8551
TR:136:1301

Hironaka, Melvin C.
Foundation Study for Materials Test Structure, with Raymond J. Smith, SM6:Nov 69:1431:6921
Dsc: Leonard J. Langfelder and John H. Brewer, SM3:May 70:1081:7249
Clo: SM1:Jan 71:248:7785
TR:136:352

Hirsch, A. Adler
Basin Tracer Curves Interpreted by Basic Analytics, SA6:Dec 69:1031:6951
TR:136:269

Hirsch, Teddy J.
See Thomas C. Edwards, ST7:July 69:1431:6663
See Ibrahim H. Sulaiman, SM1:Jan 70:353:6989

Hirschfeld, Ronald C.
Session V: Special Topics (Hydraulic Fills, Performance, Evaluation, etc.), PISST:pp.165-168, 1971

Hirst, Eric
Dsc, SA4:Aug 71:536:8269, of "Environmental Protection-TVA Experience", SA6:Dec 70:1321: 7761

Hirt, Manfred A.
Fatigue Strength of Rolled and Welded Steel, with Ben T. Yen and John W. Fisher, ST7:July 71:1897: 8238

Hjelmfelt, Allen T.
Nonequilibrium Transport of Suspended Sediment, with Charles W. Lenau, HY7:July 70:1567:7430
Dsc: A. N. Biswas and A. Sen, HY5:May 71:747: 8081

Hlavacek, Vladislav
Dsc, ST3:Mar 70:740:7116, of "Buckling of Light-Gage Corrugated Metal Shear Diaphragms", ST7: July 69:1497:6683

Ho, Da-Min
See Milton E. Harr, SM4:July 69:933:6651

Ho, Jackson
See Ernest T. Selig, TN: SM6:June 71:953:8162

Ho, Michael M.K.
Contact Pressure of a Rigid Circular Foundation, with R. Lopes, SM3:May 69:791:6554
Dsc: Ake Holmberg, SM1:Jan 70:356:6989; Richard G. Pope, SM1:Jan 70:356:6989
TR:136:792

Hoadley, Peter G.
See Yau-Cheung Wong, EM4:Aug 71:1071:8281

Hobbs, Carl H., III
See Miles O. Hayes, 12CEC:pp.1187-1200, 1971

Hobbs, P. V.
Inadvertent Weather Modification in the Northwest, with L. F. Radke, S. E. Shumway and J. D. Locatelli, Preprint No.1341, Jan 71

Hodge, Philip G., Jr.
See Ted Belytschko, EM6:Dec 70:931:7746

Hoeg, Kaare
Dynamic Strip Load On Elastic-Plastic Soil, with H. A. Balakrishna Rao, SM2:Mar 70:429:7138
TR:136:560
See Joseph I. Folayan, SM4:July 70:1127:7390

Hoel, Lester A.
Analysis of Transportation Planning Education, TE2: May 70:123:7255
TR:136:1204
See Joseph S. Drake, TE3:Aug 70:379:7480

Hoffman, John F.
Selection of Disposal Areas for Spoil From Baltimore Harbor, 12CEC:pp.2267-2279, 1971

Hogan, Austin W.
Modification of the Atmospheric Aerosol, Preprint No.1332, Jan 71

Hogan, Brian R.
See James W. McPhillips, Preprint No.1563, Oct 71

Hogan, Michael
See Alan G. Davenport, ST6:June 71:1807:815

Hogarty, Richard A.
The Metropolis Runs Dry, IR4:Dec 71:559:8563

Hogg, Howard C.
Economics of a Water-Yield Function for Sugar Cane, with Jack R. Davidson and Jen-hu Chang, IR1:Mar 69:127:6448
TR:136:1078

Hognestad, Eivind
Dsc, ST12:Dec 70:2671:7714, of "Current European Views on Structural Safety", ST3:Mar 70:461:7132

Holand, Ivar
Dsc, with Einar Munkeby, ST10:Oct 71:2607:8411, of "Analysis of Orthotropic Reinforced Concrete Structures", ST12:Dec 70:2607:7782

Holden, W. H. T.
See David R. Miller, Preprint No.1457, July 71

Holley, Edward R.
Dispersion in Homogeneous Estuary Flow, with Donald R.F. Harleman and Hugo B. Fischer, HY8: Aug 70:1691:7488
TR:136:1200

Holley, Myle J., Jr.
See Richard N. White, Preprint No.1395, Apr 71

Hollingshead, Albert B.
Sediment Transport Measurements in Gravel River, HY11:Nov 71:1817:8521

Holloway, D. M.
See Chandrakant S. Desai, SM5:May 71:817:8083

Holmberg, Ake
Dsc, ST12:Dec 69:3003:6932, of "Shear Strength of Reinforced Concrete Beams", ST6:June 69:1339: 6636
Dsc, SM1:Jan 70:356:6989, of "Contact Pressure of a Rigid Circular Foundation", SM3:May 69:791:6554

Holmes, Benjamin O.
Navigation Charting for Inland Waterways, SU1:Oct 69:117:6856
TR:136:1203

Holmes, Harlan B.
See Herbert S. Riesbol, PO1:Jan 71:93:7811

Holtan, Heggie N.
See Louis M. Glymph, IR2:June 71:305:8174

Holtz, Robert D.
Properties of Slightly Organic Topsoils, with Raymond J. Krizek, CO1:June 70:29:7358
TR:136:508

Holzer, Siegfried M.
Stability of Columns With Transient Loads, EM6: Dec 70:913:7730
TR:136:1306

Hom, Leonard W.
Kinetics of Chlorine Disinfection in an Ecosystem, NSCD:pp.515-537, 1971

Hood, Clifford C.
Let It Erode - to a Point, Preprint No.1348, Jan 71

Hooke, Roger
Post-Elastic Deflection of Plates, ST4:Apr 70:757: 7206
TR:136:904

Hooke, Roger LeB.
Dsc, HY4:Apr 70:1073:7189, of "Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual", HY5:Sept 69:1477:6756

Hoopes, John A.
See Robert W. Zeller, HY9:Sept 71:1403:8385

Hoppenfeld, Morton
The City is the People--So is the Planning/Building Process, ABS:pp.91-100, 1971

Horgan, Daniel S.
The Massachusetts Approach to Topics, with Austin E. Brant, Jr. and Dana E. Low, Preprint No.1494, July 71

Horikawa, Kiyoshi
Turbulence and Sediment Concentration due to Waves, with Akira Watanabe, 12CEC:pp.751-766, 1971

Horn, Merlin E.
Estimating Soil Permeability Rates, IR2:June 71:263: 8169

Horowitz, George F.
Design of Combined Service and Auxiliary Spillway at Auld Valley Reservoir, with Daumantas Namikas, HY10:Oct 70:1965:7615
Errata: HY9:Sept 71:1529:8345
TR:136:1126
Effects of Mechanical Cleaning Operations on Flow In Large Conduits, with Nelson N. Lee, HY5:May 71:677:8110
Dsc: Herman J. Koloseus, HY12:Dec 71:2110: 8552

Horton, Frank E.
Behavioral Models in Transportation Planning, Preprint No.1466, July 71

Hoshiya, Masaru
Free Vibration of Stochastic Beam-Column, with Haresh C. Shah, EM4:Aug 71:1239:8331
Reliability of Redundant Cable System, TN: ST11: Nov 71:2773:8490

Hotes, Frederick L.
Dsc, PP1:Sept 70:156:7549, of "Foreign Service", PP1:July 69:79:6703
Dsc, IR3:Sept 71:541:8346, of "High Plains Irrigation and Texas Water Plan", IR1:Mar 71:123:7960
Dsc, IR4:Dec 71:648:8553, of "Safe Yield of Aquifers: An Economic Reformulation", IR4:Dec 70:377:7719

Houghton, Donald L.
Concrete Volume Change for Dworshak Dam, PO2: Oct 69:153:6825
Dsc: Karoly Szepesi and Zoltab Szilvassy, PO1: Jan 71:227:7784
Clo: PO3:July 71:710:8256
TR:136:695

Hoult, David
See Richard Robbins, TN: WW1:Feb 71:235:7891

Hoult, David P.
See Ralph H. Cross, 12CEC:pp.1745-1758, 1971
See Ralph H. Cross, WW2:May 71:313:8122

Householder, Michael K.
Turbulent Diffusion and Schmidt Number of Particles, with Victor W. Goldschmidt, EM6:Dec 69:1345:6961
Errata: EM1:Feb 71:132:7862
TR:136:403
Dsc, HY5:May 70:1227:7248, of "Fortran-Hydro", HY6:Nov 69:1993:6901

Housner, George W.
Earthquake Research Needs For Nuclear Power Plants, PO1:Jan 71:77:7818
Dsc: Melvin W. Jackson, PO3:July 71:722:8256
See Kenneth L. Heitner, WW3:Aug 70:701:7491

Houston, William N.
Property Interrelationships in Sensitive Clays, with James K. Mitchell, SM4:July 69:1037:6666
Dsc: Dalim K. Majumdar, SM1:Jan 70:368:6989; Dwight A. Sangrey, SM3:May 70:1067:7249; N. Babu Shanker, SM3:May 70:1070:7249
Clo: SM1:Jan 71:241:7785
TR:136:166
See James K. Mitchell, SM3:May 69:845:6568

Howard, Charles D. D.
Sensitivity Analysis of Wind Generated Wave Predictions, WW2:May 71:365:8153

Howe, H. Edward
Portage Mountain Intake Structure and Facilities, PO3:June 70:331:7342
TR:136:1048

Howe, Robert T.
Coordinates Versus Confusion, SU2:Sept 70:191:7528
Dsc: Richard J. Mitchell, SU1:May 71:143:8085; Gerard H. Pesman, SU2:Nov 71:337:8487; John G. McEntyre, SU2:Nov 71:338:8487; William T. Wambach, Jr., SU2:Nov 71:339:8487
How Land Surveying is Being Modernized, Preprint No.1312, Jan 71
Plan for Financing Urban Mass Transit Systems, TE2:May 70:219:7286
TR:136:852

Howell, David T.
See Warren A. Hall, IR4:Dec 70:395:7718

Howells, David H.
See R. O. Sylvester, CE:Apr 71:41

Howland, Warren E.
Dsc, CE:Sept 71:93, on ASCE and Social Issues, CE: May 71:58

Hrennikoff, Alexander
Three-Dimensional Bar Cell for Elastic Stress Analysis, with A. Gantayat, EM3:June 70:313:7352
Dsc: Krishna M. Agrawal, EM5:Oct 70:792:7574
Clo: EM3:June 71:1021:8154
TR:136:914
Dsc, ST10:Oct 69:2323:6803, of "New Rectangular Finite Element for Shear Wall Analysis", ST3:Mar 69:399:6464

XUM

Hsiegh, T. K.
Dsc, BMS:p.145, 1971, of "Full Scale Observation of the Behavior of Moored Ships", BMS:pp.117-129, 1971
Dsc, BMS:p.265, 1971, of "Design Criteria for Fenders and Berthing Structures", BMS:pp.256-259, 1971

Hsieh, George C.C.
See Harvey W. Duff, HY7:July 70:1629:7384
See Harvey W. Duff, SA4:Aug 70:1012:7441
See Harvey W. Duff, UP2:Oct 70:167:7571

Hsieh, Jeffrey S.
Batch Adsorption Kinetics in Sewage--Activated Carbon, with Raffi M. Turian and Chi Tien, SA4: Aug 71:505:8339

Hsiung, Kou-ying
See Gordon L. Culp, SA5:Oct 69:829:6823

Hsu, En Yun
See Konstantin Zagustin, WW4:Nov 68:397:6210

Hsu, Shih-Ang
The Shear Stress of Sea Breeze on a Swash Zone, 12CEC:pp.243-255, 1971

Hsu, T. M.
Dsc, ST7:July 70:1604:7386, of " Buckling of Anisotropic Composite Plates", ST10:Oct 69:2119: 6799

Hsu, Yu-Chih
See Cornelius W. Kruse, NSCD:pp.113-136, 1971

Hsu, Yu-wen
Elastic Buckling of Two Component Columns, EM3: June 69:611:6612
Dsc: Roshdy S. Barsoum, EM2:Apr 70:174:7188
Clo: EM6:Dec 70:1271:7710
TR:136:155

Hsueh, Pan San
Buckling of Axially Loaded Cylindrical Panels, with Alexander Chajes, EM3:June 71:919:8210

Hu, George C.Y.
Dsc, SM6:Nov 70:2151:7643, of "Bearing Capacity of Foundation on Sand", SM2:Mar 70:545:7158

Hu, Richard E-Wei
See Awtar Singh, CE:Aug 71:52

Hu, William C. L.
See John F. Gormley, EM3:June 69:545:6606

Huang, Jerry Y. C.
Least Cost Sand Design for Iron Removal, with E. Robert Baumann, SA2:Apr 71:171:8060
Dsc: Ernest F. Young, SA5:Oct 71:798:8409; Arun K. Deb, SA6:Dec 71:949:8555
Dsc, with E. Robert Baumann, SA6:Dec 70:1460: 7713, of "Theoretical Evaluation of Filter Modeling Experiments", SA2:Apr 70:455:7233

Huang, Ju-Chang
Adsorption of Pesticides by Clay Minerals, with Cheng-Sun Liao, SA5:Oct 70:1057:7603
Dsc: Joseph L. Pavoni and Donald J. Hagerty, SA2:Apr 71:243:8013; George W. Bailey, SA4: Aug 71:533:8269
Treatment of Refinery Waste by Physicochemical Processes, with Michael G. Hardie, SA4:Aug 71: 467:8318

Huang, Lin Y.
Detroit Metropolitan Wayne County Airport, CE: July 70:55
TR:136:533

Huang, Ti
Dsc, ST2:Feb 71:734:7867, of "Analysis of Footing Subjected to Biaxial Bendine", ST6:June 70:1049: 7329
See Andrie C.T. Chen, ST11:Nov 71:2763:8485

Huang, Tseng
See Anestis S. Veletsos, EM5:Oct 70:593:7591

Huang, Yang H.
Computer Analysis of Flow toward Artesian Wells, TN: HY9:Sept 71:1579:8349

Hubbell, James W.
New Wastewater Treatment Plant Reuses Its Oil Sludge, CE:Sept 70:81
TR:136:769

Huck, Peter J.
See Delon Hampton, SM4:July 70:1391:7434

Huddleston, John V.
A Numerical Technique for Elastica Problems, EM5: Oct 68:1159:6182
Dsc: Gerald Zamost, EM3:June 69:795:6580; Michael D. Callan, EM3:June 69:797:6580; Robert Schmidt, EM4:Aug 69:1016:6705; Anand S. Aggarwal, EM4:Aug 69:1017:6705
Clo: EM2:Apr 70:163:7188
TR:136:654

Hudson, James W.
Dsc, Automobile Exhaust Pollutants, Dsc, CE:Nov 70:36
Dsc: Daniel H. Brown, CE:Mar 71:52

Hudson, W. Ronald
See Sohan L. Agarwal, TN: ST8:Aug 71:2159:8275

Hudson, William Ronald
Systems Analysis Method for Pavement Structures, with Benjamin F. McCullough, Frank H. Scrivner and Gary Carey, ST1:Jan 71:81:7857

Huff, Floyd A.
See John B. Stall, Preprint No.1330, Jan 71

Huffman, Donald D.
See Michael C. Mulbarger, SA4:Aug 70:861:7447

Huggins, Mark W.
See Robert G. Drysdale, ST5:May 71:1423:8103

Hughes, Barry P.
Temperature Rises in Low-Heat Cement Concrete, ST12:Dec 71:2807:8588

Hughes, Edward
See John E. Johnson, Preprint No.1381, Apr 71

Hughes, William
Effects on Water Supply Due to Salt Cedar Removal, Preprint No.1290, Jan 71

Hughes, William C.
Flood Control Release Optimization Using Methods from Calculus, HY5:May 71:691:8117
Dsc: Stephen J. Burges, HY10:Oct 71:1795:8407
Dsc, HY4:Apr 70:1102:7189, of "Computers in Flood Control Planning", HY6:Nov 69:1859:6886

Hullender, D. A.
Active Control of Vehicle Air Cushion Suspensions, with D. N. Wormley and H. H. Richardson, Preprint No.1499, July 71

Hulsbos, Cornie L.
See John M. Hanson, ST11:Nov 70:2443:7705

Hulshizer, Allen J.
Allowable Bending Stress Design Aid, CE:Feb 70:63
TR:136:97

Hultin, Carl E.
Philadelphia-Lindenwold High-Speed Line Surveys, SU1:May 71:7:8096

Hume, B. Norman
Water Quality Control in California, SA4:Aug 70: 873:7448
Dsc: Thomas E. Bailey, SA3:June 71:380:8157
Clo: SA6:Dec 71:936:8555

Humpherys, Allan S.
Mechanical Structures for Farm Irrigation, IR4:Dec 69:463:6944
Dsc: E. P. Robinson, IR3:Sept 70:360:7498
Errata: IR3:Sept 70:363:7498
Clo: IR2:June 71:322:8156
TR:136:102

Hung, Cheng-Yeng
Dsc, HY11:Nov 71:1918:8483, of "Computer Simulation Of Urban Storm Water Runoff", HY2: Feb 71:289:7924

Huning, Richard C.
Dsc, HY9:Sept 70:1915:7497, of "Survey of Programs for Water-Surface Profiles", HY2:Feb 70: 547:7098

Hunt, Bruce W.
Steady Seepage Toward Circle of Finite Radius, TN: EM2:Apr 71:599:8017
Unsteady Seepage Toward Narrow Ditch, HY10:Oct 70:1953:7586
Errata: HY9:Sept 71:1529:8345
TR:136:1152
Unsteady Seepage Toward Sink Beneath Free Surface, HY4:Apr 70:859:7202
TR:136:686
Vertical Recharge of Unconfined Aquifer, HY7:July 71:1017:8257
Dsc, EM1:Feb 70:104:7044, of "Cross-Velocity Behavior in Parallel Channel Flow", EM4:Aug 69: 921:6736
Dsc, HY7:July 70:1663:7384, of "Nonsteady Flow to Surface Reservoir", HY3:Mar 70:609:7137
Dsc, IR3:Sept 71:542:8346, of "Rational Design of Wall Screens", IR1:Mar 71:131:7969

Hunt, Hal W.
Forty Years of Engineered Construction, CE:Oct 70: 57
TR:136:955

Hunt, W. Bruce
Exact Flow Rates from Dupuit's Approximation, HY3:Mar 70:633:7140
TR:136:613

Hunter, Alfred H.
See Charles I. Mansur, SM5:Sept 70:1545:7509

Hunter, E. Kent
See John B. Ciani, SU2:Nov 71:149:8496

Hunter, J. V.
See T. Helfgott, SA3:June 70:779:7374

Hunter, William G.
See Paul M. Berthouex, SA3:June 71:333:8202
See Paul M. Berthouex, SA4:Aug 71:393:8286

Hussey, M. J.L.
Simply Supported Rectangular Double-Layered Grids, with A. I. Tarza and W. F.D. Theron, ST3: Mar 71:753:7954

Hutt, Johnny M.
Dynamic Stability of Plates by Finite Elements, with Ahmed E. Salam, EM3:June 71:879:8211

Hutton, Stanley G.
Finite Element Method: A Galerkin Approach, with Donald L. Anderson, EM5:Oct 71:1503:8448

Huval, Carl J.
Hydraulic Design of Unlined Rock Tunnels, HY4: July 69:1235:6679
Dsc: Shrikrishna V. Chitale and K. S. Rajagopalan, HY4:Apr 70:1060:7189; David Ellis Wright, HY4:Apr 70:1061:7189
Clo: HY1:Jan 71:169:7783
TR:136:181
Dsc, with Frank M. Neilson, HY8:Aug 70:1754:7439, of "Fluctuating Pressures in Spillway Stilling Basins", HY6:Nov 69:2071:6915

Huvane, Barbara A.
Construction Cost of Expressways, TE2:May 71:173: 8113

Hwang, Ching
See Liang-Tseng Fan, PO4:Dec 71:841:8595

Hwang, Li-San
Braking Wave Setup and Decay on Gentle Slopes, with David Divoky, 12CEC:pp.377-389, 1971
Dsc, with David Divoky, HY2:Feb 71:353 7863, of "Effect of Flume Width on Bed-Form Characteristics", HY2:Feb 70:473:7077
Dsc, with David Divoky, WW2:May 71:412:8086, of "Harbor Study for San Nicholas Bay, Peru", WW2: May 70:251:7271
See Hsiang Wang, CEC:pp.1723-1744, 1971

Hyde, Charles Gilman
Charles Gilman Hyde dies at 97, CE:Nov 71:48

Ibbitt, Richard P.
Fitting Methods for Conceptual Catchment Models, with Terence O'Donnell, HY9:Sept 71:1331:8370

Idriss, Izzat M.
Seismic Response of Soil Deposits, with H. Bolton Seed, SM2:Mar 70:631:7175
Dsc: Stuart D. Werner and Samy A. Adham, SM5:Sept 70:1838:7499
TR:136:840
See H. Bolton Seed, SM6:Nov 69:1453:6906
See William D. Kovacs, SM2:Feb 71:441:7878
See H. Bolton Seed, ST2:Feb 71:639:7909
See H. Bolton Seed, SM9:Sept 71:1249:8371

Ijima, Takeshi
Breakwater and Quay Wall by Horizontal Plates, with Shigeo Ozaki, Yasuhiko Eguchi and Akira Kobayashi, 12CEC:pp.1537-1556, 1971
Equilibrium Range Spectra in Shoaling Water, with Takahiko Matsuo and Kazutami Koga, 12CEC: pp.137-149, 1971

Ingersoll, Alfred C.
The Nature of Continuing Education, CWFE:Mar 71: 229

Inman, Douglas L.
Crater-sink Sand Transfer System, with Roland W. Harris, 12CEC:pp.919-933, 1971

Ippen, Arthur T.
See Donald R.F. Harleman, HY1:Jan 69:9:6340

Irie, Isao
See Shoji Sato, 12CEC:pp.1301-1319, 1971

Irons, Bruce M.
Dsc, ST1:Jan 70:152:6990, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510

Irvine, Robert L.
Kinetic Analysis of Data from Biological Systems, with Donald J. Schaezler, SA4:Aug 71:409:8323

Irwin, A. W.
Dynamic Response of Coupled Shear Wall Buildings, with Arthur C. Heidebrecht, Preprint No.1378, Apr 71

XUM

Irwin, George R.
See Ronald B. Madison, ST9:Sept 71:2229:8377

Irwin, Ross W.
See Gee Tsang, IR2:June 71:334:8156

Isaac, Russell H.
See John R. Elwood, NSCD:pp.189-201, 1971

Isada, Nelson M.
Damage to Structures Due to Floor Shocks, ST2:Feb 71:561:7897
Dsc: Melvin W. Jackson, ST7:July 71:2030:8225
Impulsive Load Stiffness of Flexible Pavements, SM2: Mar 70:639:7176
TR:136:856

Isenberg, Jeremy
Analysis of Orthotropic Reinforced Concrete Structures, with Samy A. Adham, ST12:Dec 70: 2607:7782
Dsc: Vladimir Carvenka and Kurt H. Gerstle, ST9:Sept 71:2434:8348; Ganpat S. Pandit, ST9: Sept 71:2435:8348; Ivar Holand and Einar Munkeby, ST10:Oct 71:2607:8411
Spherical Waves in Inelastic Materials, with Anjan K. Bhaumik, EM3:June 71:901:8207

Ishai, Ori
Failure of Unidirectional Composites In Tension, EMj1972:Apr 71:205:8043
Yield and Failure of Glass-Epoxy Composites, with Arlo E. Moehlenpah and Aaron Preis, EM5:Oct 70: 739:7616
TR:136:1240

Ishihara, Kenji
Dsc, SM6:Nov 70:2152:7643, of "Development of Failure Around Excavated Slopes", SM2:Mar 70: 471:7162

Isyumov, Nicholas
Dsc, PO1:Jan 71:244:7784, of "Hyperbolic Cooling Towers, Development and Practice", PO1:Jan 70: 117:7030
See Peter W. Chen, Preprint No.1404, Apr 71
See Peter W. Chen, ST11:Nov 71:2679:8526

Ito, Yoshiyuki
Head Loss at Tsunami-Breakwater Opening, 12CEC: pp.2123-2131, 1971

Iverson, J. K.
See Fereydoon Farhoomand, Preprint No.1371, Apr 71

Ives, Kenneth D.
See Roger L. Brockenbrough, ST7:July 70:1305:7400

Ives, Kenneth J.
Dsc, SA1:Feb 70:185:7046, of "Theory of Sand Filtration", SA3:June 69:399:6593
Dsc, SA6:Dec 70:1445:7713, of "Numerical Solution of Filtration Equations", SA2:Apr 70:195:7199
Dsc, SA6:Dec 70:1458:7713, of "Theoretical Evaluation of Filter Modeling Experiments", SA2: Apr 70:455:7233
Dsc, SA2:Apr 71:231:8013, of "Filtration of Chlorella Through Dune-Sand", SA3:June 70:675: 7332

Ivey, Don L.
See Robert M. Olson, TE2:May 71:291:8125
See Hayes E. Ross, Jr., Preprint No.1451, July 71

Iwagaki, Yuichi
Horizontal Water Particle Velocity of Finite Amplitude Waves, with Tetsuo Sakai, 12CEC: pp.309-325, 1971
See Shigehisa Nakamura, 12CEC:pp.2089-2102, 1971

Iwan, Wilfred D.
Statistical Linearization for Nonlinear Structures, with I-Min Yang, EM6:Dec 71:1609:8576
Steady-State Response of Yielding Shear Structure, EM6:Dec 70:1209:7774
Dsc: Ricardo Dobry, EM5:Oct 71:1577:8406

Iyengar, Kashi T. Sundara Raja
Anchor Zone Stresses in Prestressed and Concrete Beams, with Raja Sundara and M. K. Prabhakara, ST3:Mar 71:807:7961
See R. Narayana Iyengar, EM3:June 70:207:7321

Iyengar, R. Narayana
Probabilistic Response Analyses to Earthquakes, with Kashi T. Sundara Raja Iyengar, EM3:June 70:207: 7321
Dsc: Shih-Chi Liu, EM2:Apr 71:580:8011
Clo: EM6:Dec 71:1741:8551

Izatt, J. Bryan
See Mervin D. Palmer, HY8:Aug 70:1667:7464

Izzard, Carl F.
FHWA Traffic Research Program, TE2:May 71:333: 8133

Jackson, George L.
See John M. Hayes, CE:Dec 71:63

Jackson, John P.
Dsc, Inspector vs. Quality Engineer, Dsc, CE:Oct 70: 52
Dsc: Flange Designations, Thaddeus J. Prorok, CE:Feb 71:55; Flange Designations, H. J. Walter, CE:Feb 71:55

Jackson, Melvin W.
Dsc, PO3:July 71:722:8256, of "Earthquake Research Needs For Nuclear Power Plants", PO1:Jan 71:77: 7818
Dsc, ST7:July 71:2027:8225, of "Earthquake Response of Arch Dams", ST11:Nov 70:2321:7681
Dsc, ST7:July 71:2030:8225, of "Damage to Structures Due to Floor Shocks", ST2:Feb 71:561: 7897
Dsc, ST7:July 71:2033:8225, of "Influence of Soil Conditions on Building Damage Potential During Earthquakes", ST2:Feb 71:639:7909
Dsc, ST10:Oct 71:2624:8411, of "Design of Laterally Unsupported Timber Beams", ST3:Mar 71:881:7995
Dsc, ST10:Oct 71:2628:8411, of "Structural Response to Sonic Booms", ST4:Apr 71:1157:8063
Dsc, WW4:Nov 71:775:8488, of "Wind and Surge Damage Due to Hurricane Camille", WW2:May 71: 355:8144
Dsc, PO4:Dec 71:879:8554, of "Nuclear Power Plant Tornado Design Considerations", PO2:Mar 71:407: 7949
Dsc, PO4:Dec 71:885:8554, of "Containment Structure For Trojan Nuclear Plant", PO2:Mar 71: 351:7957
Dsc, PO4:Dec 71:888:8554, of "Seismic Analysis of Nuclear Power Plant Structures", PO2:Mar 71:367: 7977

Jackson, Neil
Plastic Analysis of Transversely Loaded Frames, ST8: Aug 71:2047:8284
See Brij B. Goyal, ST11:Nov 71:2729:8544

Jacobs, J. Donovan
Better Specifications for Underground Work, CE:June 71:47

Jacobs, Myron M.
Dsc, UP2:Oct 70:166:7571, of "Instruction in Urban Planning for Civil Engineers", UP1:Mar 70:23:7127

Jagannadha Rao, M. V.
Dsc, with Nagar S. Lakshmana Rao, IR3:Sept 70: 371:7498, of " Triangular Broad-Crested Weir", IR4:Dec 69:493:6954
Dsc, with Nagar S. Lakshmana Rao, IR4:Dec 71:656: 8553, of "Free Overfall As Flow Measuring Device", IR1:Mar 71:73:7987

Jain, N. K.
See K. V. Swaminathan, ST6:June 71:1808:8159

Jain, Ravinder K.
See Jesse M. Diaz, HY11:Nov 70:2279:7678

Jain, Subhash C.
Dsc, HY9:Sept 71:1562:8345, of "Effect of Channel Shape on Varied Flow Profiles", HY1:Jan 71:55:7796

Jajoo, Rajendra P.
See Eric F.P. Burnett, ST9:Sept 71:2315:8395

Jakobache, Joseph E.
See Howard D. Hillman, Preprint No.1515, July 71

Jakobsen, Per Roed
Some Experiments with Sand-filled Flexible Tubes, with Arne Hasle Nielsen, 12 CEC:pp.1513-1521, 1971

James, Ernest C.
Engineering Career Counseling and Education, with Orville Abbot, CE:Jan 70:71
TR:136:128
Oroville Intake Vibration Problems Resolved, with Fredric T. Katakura, Preprint No.1323, Jan 71
Dsc, with Fredric T. Katakura, PO4:Dec 71:876:8551, of "Hydroelectric Power Plant Trashrack Design", PO1:Jan 71:115:7819

James, L. Douglas
Computers in Flood Control Planning, HY6:Nov 69:1859:6886
Dsc: William C. Hughes, HY4:Apr 70:1102:7189; Robert L. McFall, HY6:June 70:1367:7310
Clo: HY1:Jan 71:172:7783
TR:136:290
Role of Economics in Planning Flood Plain Use, Preprint No.1552, Oct 71
Dsc, HY1:Jan 70:302:6988, of "Principles and Procedures in Flood Plain Management", HY4:July 69:1321:6696

James, Lee A.
See W. E. Anderson, ST4:Apr 70:773:7213

James, William
Spectral Response of Harbor Resonator Configurations, 12CEC:pp.2181-2194, 1971
Two Innovations for Improving Harbor Resonators, WW1:Feb 71:115:7871

James, William R.
A Class of Probability Models for Littoral Drift, 12CEC:pp.831-837, 1971

Jamison, Donald K.
Junction Losses in Laminar and Transitional Flows, with James R. Villemonte, HY7:July 71:1045:8258

Janin, Jean J.
Chemical Grouting for Paris Rapid Transit Tunnels, with Guy F. Le Sciellour, CO1:June 70:61:7382
TR:136:530

Jankou, Ziva D.
Dsc, with Charles F. Reeves, ST9:Sept 70:1973:7567, of "Vibrations of Stacks Supported on Steel Structures", ST12:Dec 69:2831:6965

Jankowski, Robert H.
See Armando Balloffet, HY10:Oct 70:2135:7568

Jarecki, Stanley J.
Computation of Cutting Length of Guys, with Y. C. Lee and Paul P. Christiano, PO4:Dec 71:817:8587

Javaheri, Ali R.
See Richard I. Dick, SA2:Apr 71:234:8013

Jaworski, Norbert A.
Optimal Reservoir Releases for Water Quality Control, with Walter J. Weber and Rolf A. Deininger, SA3:June 70:727:7361
Dsc: Brian W. Mar, SA5:Oct 70:1292:7569
Clo: SA3:June 71:379:8157
TR:136:963

Jayaraman, V. V.
Resistance Studies on Smooth Open Channels, HY5:May 70:1129:7266
Dsc: Robert P. Apmann, HY9:Sept 70:1925:7497; Praxitelis A. Argyropoulos, HY12:Dec 70:2667:7711; Rupchand M. Advani and Pashupati N. Modi, HY1:Jan 71:204:7783; Ralph W. Powell, HY2:Feb 71:365:7863
Clo: HY11:Nov 71:1889:8483

Jen, Yuan
Plunging Wave Pressures on a Semi-cylindrical Tube, with Pang-Mou Lin, 12CEC:pp.1469-1490, 1971
Plunging Wave Pressures on Semicylindrical Tube, with Pang-Mou Lin, WW3:Aug 71:567:8342
Wave Refraction Near San Pedro Bay, California, WW3:Aug 69:379:6749
Dsc: Jean F. Coudert and Fredric Raichlen, WW3:Aug 70:737:7443; Visvaldas J. Grauzinis, WW3:Aug 70:747:7443
Clo: WW1:Feb 71:209:7868
TR:136:240

Jenab, S. Abdollah
Transient Functions for Land Drainage, with A. Alvin Bishop and Dean F. Peterson, Jr., IR3:Sept 69:361:6768
Dsc: Icarahy Da Silveira, IR2:June 70:224:7311
Clo: IR1:Mar 71:213:7941
TR:136:142

Jenkins, George S.
Tampa International Airport: Model for the Jumbo-Jet Age, CE:Oct 71:68

Jennett, J. Charles
Character of Sludge Drying, with Israel W. Santry, Jr., SA5:Oct 69:849:6833
Dsc: Brian W. Mar and Martin E. Harper, SA2:Apr 70:651:7190
Clo: SA6:Dec 70:1443:7713
TR:136:216

Jens, Stifel W.
Some Notes on Approaches and Viewpoints of Private Agencies to Metropolitan Water Management, UWRM:pp.47-57, 1971

Jensen, Albert P.
See John T. Merrifield, CE:Nov 71:52

Jensen, Eugene T.
Federal Involvement Toward Clean Water for Our Future Environment, CWFE:Mar 71:267
Dsc, CE:May 71:43, on Politics and Water Pollution, CE:Oct 70:41

Jensen, H. Gordon
Efficient Solutions for Linear Matrix Equations, with Gary A. Parks, ST1:Jan 70:49:7007
Dsc: Fernando Venancio Filho, ST11:Nov 70:2534:7644
Clo: ST6:June 71:1802:8159
TR:13:52
Dsc, with Gary A. Parks, ST8:Aug 70:1814:7442, of "Computer Analysis of Large Linear Frames", ST11:Nov 69:2401:6897

Jensen, Loren D.
Aquatic Ecosystems and Thermal Power Plants, with Derek K. Brady, PO1:Jan 71:209:7802
Clo: PO4:Dec 71:875:8554

XUM

Jensen, Marvin E.
Scheduling Irrigations Using Climate-Crop-Soil Data, with David C.N. Robb and C. Eugene Franzoy, IR1:Mar 70:25:7131
TR:136:524

Jeppson, Roland W.
Graphical Solution to Hydraulic Jump, HY1:Jan 70:103:7014
Dsc: Nani G. Bhowmik, HY7:July 70:1647:7384; Abhimanyu Swain, HY7:July 70:1649:7384; Frederic T. Mavis, HY8:Aug 70:1765:7439; James J. Sharp, HY8:Aug 70:1767:7439; Praxitelis A. Argyropoulos, HY9:Sept 70:1906:7497; Rupchand M. Advani and Pashupati N. Modi, HY11:Nov 70:2384:7641; V. Mura Hari, HY12:Dec 70:2618:7711
Clo: HY7:July 71:1132:8223
TR:136:915

Jessup, Mary E.
Forty Years of ASCE and "Civil Engineering", CE:Oct 70:59
TR:136:977

Jirsa, James O.
See I. Demir Karsan, ST12:Dec 69:2543:6935
See I. Demir Karsan, ST8:Aug 70:1675:7484

Jobson, Harvey E.
Predicting Concentration Profiles in Open Channels, with William W. Sayre, HY10:Oct 70:1983:7618
Dsc: Mehmetcik Bayazit, HY5:May 71:754:8081
Clo: HY12:Dec 71:2087:8552
Vertical Transfer in Open Channel Flow, with William W. Sayre, HY3:Mar 70:703:7148
TR:136:662
Dsc, with Harold B. Gotaas, CE:Apr 71:41, on Population and People, CE:Dec 70:27
Dsc, with Carl F. Nordin, HY9:Sept 71:1541:8345, of "Motion of Single Particles in Alluvial Channels", HY12:Dec 70:2501:7770

Jofriet, Jan C.
Finite Element Analysis of Reinforced Concrete Slabs, with Gregory M. McNeice, ST3:Mar 71:785:7963
Dsc: Alex E. Cardenas, ST12:Dec 71:2905:8557; Dan E. Branson, ST12:Dec 71:2907:8557

Joga Rao, C. V.
See K. Vijayakumar, EM3:June 71:701:8171

Johancons, H. A.
Dsc, ST6:June 70:1256:7314, of "Behavior of Simply Supported Slabs", ST12:Dec 69:2703:6945

Johnson, Conor D.
Dynamic Stability of Circular Cylindrical Sandwich Panels, with Nelson R. Bauld, Jr., EM6:Dec 71:1643:8598

Johnson, David
Optimum Elastic Design of Redundant Trusses, with Derick M. Brotton, ST12:Dec 69:2589:6938
Dsc: Kenneth F. Reinschmidt and Alan D. Russell, ST8:Aug 70:1829:7442; Geoffrey G. Roy, Leonard K. Stevens and A. Raymond Toakley, ST8:Aug 70:1832:7442; Bakul S. Bulsari and Manhar C. Thakkar, ST8:Aug 70:1835:7442
Clo: ST3:Mar 71:968:7944
TR:136:399

Johnson, David E.
See W. Paul Winn, HY12:Dec 70:2519:7771

Johnson, F. B.
Hollow Clay Tile Structural Research, with J. H. Matthys, Preprint No.1377, Apr 71

Johnson, Gerald W.
Reliability of Refraction in Polar Astronavigation, with James L. Clapp, SU2:Nov 71:165:8502
Solar Astronavigation in High Latitudes, with James L. Clapp, SU1:May 71:27:8139

Johnson, Hadley, Jr.
The Civil Engineer: Quiet Man or Spokesman?, PP1:Oct 71:51:8467

Johnson, Henry F.
See James M. Robertson, EM6:Dec 70:1171:7754

Johnson, Horace A.
Flow Through Rockfill Dam, SM2:Feb 71:329:7914
Dsc: Thomas Kluber and Herbert Breth, SM11:Nov 71:1609:8484
Dsc, HY6:June 70:1370:7310, of "Nonlinear Flow in Porous Media by Finite Elements", HY6:Nov 69:2093:6927

Johnson, Howard P.
See Glenn O. Schwab, IR1:Mar 69:199:6480

Johnson, J. Donald
Bromine and Bromamine Disinfection Chemistry, with Ragnar Overby, NSCD:pp.37-60, 1971
Bromine and Bromamine Disinfection Chemistry, with Ragnar Overby, SA5:Oct 71:617:8425

Johnson, J. W.
Seasonal Bottom Changes - Bolinas Bay, California, 12CEC:pp.1383-1396, 1971
See M. M. Das, 12CEC:pp.2281-2286, 1971

Johnson, Jack G.
State Flood-Plain Management Activities, HY10:Oct 70:2041:7589
Dsc: Robert L. McFall, HY2:Feb 71:381:7863
TR:136:1166

Johnson, John E.
Structural Sections from Reinforced Plastics, with James Harris and Edward Hughes, Preprint No.1381, Apr 71

Johnson, Martin L.
Research on Sleepers River at Danville, Vermont, IR1:Mar 70:67:7184
TR:136:1198

Johnson, Marvin M.
Dynamic Programming of Highway Safety Projects, TE4:Nov 71:667:8534

Johnson, Paul K.
A Reel-Type Pipelaying Barge, CE:Oct 71:45

Johnson, Perry L.
See Danny L. King, HY9:Sept 71:1535:8345

Johnson, R. Paul
Research On Steel-Concrete Composite Beams, ST3:Mar 70:445:7122
TR:136:597

Johnson, Randall A.P.
See William H. Claire, TE1:Feb 71:51:7882

Johnson, Ronald E.
Regression Model of Wave Forces on Ocean Outfalls, WW2:May 70:289:7275
Dsc: Charles Petrauskas, WW2:May 71:414:8086

Johnson, Russell
See Larry W. Oline, EM4:Aug 71:1159:8314

Johnson, Stanley J.
Foundation Precompression With Vertical Sand Drains, SM1:Jan 70:145:7019
Dsc: Reginald A. Barron, SM5:Sept 70:1831:7499
Clo: SM3:Mar 71:583:7943
Foundation Precompression with Vertical Sand Drains, PISST:pp.9-39, 1971
Dsc: Reginald A. Barron, PISST:Aug 68:40
Clo: PISST:Aug 68:42

Precompression for Improving Foundation Soils, SM1:Jan 70:111:7020
Dsc: Jerome C. Neyer and Sachinder N. Gupta, SM6:Nov 70:2138:7643
Clo: SM6:June 71:926:8158
TR:136:578
Precompression for Improving Foundation Soils, PISST:pp.53-86, 1971
Dsc: Jerome C. Neyer and Sachinder N. Gupta, PISST:pp.87-89, 1971
Clo: PISST:p.89, 1971

Johnson, Stewart W.
The Civil Engineer in Aerospace, Task Committee on Civil Engineering in Space of the Committee on Space Facilities of the Aero-Space Transport Division, TE2:May 71:247:8124
Manned Space Station: Civil Engineer's Role, CE:Oct 71:88

Johnson, William K.
Assessing Social Consequences of Water Deficiencies, IR4:Dec 71:547:8566
Changes Necessary in ASCE, CE:July 70:83
Dsc: Ray S. Hansen, CE:Nov 70:64
TR:136:599
Looking ahead - What Can One Man Do?, CE?j141: Jan 71:77
Recycling Civil Engineering Education, CE:Oct 71: 101
See Thomas C. Ferrara, UP2:Dec 71:179:8585

Johnston, Bruce G.
The CRC Guide - A Preview of the Third Edition, Preprint No.1309, Jan 71
Spaced Steel Columns, ST5:May 71:1465:8109
See Fung J. Lin, ST7:July 70:1377:7404

Johnston, David W.
Analysis of Dowel Action, with Paul Zia, ST5:May 71:1611:8147
Dsc: Hans Gesund, ST10:Oct 71:2632:8411
See Jay Langfelder, 4PCSM:pp.15-25, 1971

Johnston, E. Russell, Jr.
See Gerald Zamost, EM4:Aug 71:1133:8313

Johnston, Sterling B.
See Alan H. Mattock, ST10:Oct 68:2351:6168

Jonas, Ernest
See John Lowe, III, SM1:Jan 69:77:6327

Jonatowski, John J.
Inelastic Stiffened Suspension Space Structures, with Charles Birnstiel, ST6:June 70:1143:7364
TR:136:919
Dsc, with Charles Birnstiel, ST12:Dec 71:2895:8557, of "Nonlinear Analysis of Cable and Truss Structures", ST2:Feb 71:679:7937

Jones, Charles E.
See William D. Whetstone, ST10:Oct 69:2077:6821

Jones, D. Earl, Jr.
Some Urban Water Resources Mangement Dimensions, UWRM:pp.14-31, 1971
Where Is Urban Hydrology Practice Today?, HY2: Feb 71:257:7917
Dsc: Chester C. Kisiel, HY12:Dec 71:2104:8552
Dsc, HY9:Sept 70:1879:7497, of "Urban Runoff by Road Research Laboratory Method", HY6:Nov 69: 1809:6878

Jones, Eugene D.
Case Studies of Interdisciplinary Team Efforts in Environmental Design, ABS:pp.75-81, 1971

Jones, Gene W.
Big Steel-Truss Roof Welded on Ground, Lifted into Position, CE:Oct 69:42
TR:136:6

Jones, John F.
See Peter C. Trescott, WW3:May 70:1115:7264

Jones, Llewellyn E.
Linearizing Weight Factors For Least-Squares Fitting, HY5:May 71:665:8089

Jones, Richard H.
See Robert E. Stewart, SA4:Aug 71:485:8340

Jones, Russel C.
Practical Continuing Education for the Individual Engineer, CE:Feb 70:66
TR:136:105

Jonsson, Asgeir
See John W. Smith, PO3:June 70:437:7359

Jonsson, Ivar G.
Interaction between Waves and Currents, with Christian Skougaard and John D. Wang, 12CEC: pp.489-507, 1971

Jopling, William F.
See Herbert B. Foster, Jr., SA3:June 69:503:6609

Jordaan, Jan Malan, Jr.
Study of Durban Harbor Silting and Beach Erosion, 12CEC:pp.1097-1116, 1971

Jordan, Frederick E.
Dsc, CE:Jan 71:45, on Black People Call for ASCE Social Action, CE:Dec 69:73

Jordan, Jane C.
See Robert L. Schiffman, SM1:Jan 69:285:6370
See Robert L. Schiffman, SM2:Mar 70:649:7178

Jordan, Mark H.
Dsc, CO2:Nov 71:342:8482, of "Design Conduit System By Dynamic Programming", CO1:Mar 71: 383:7998

Jorgenson, James L.
Probability of Plastic Collapse Failure, with John E. Goldberg, ST8:Aug 69:1743:6751
Dsc: C. Allin Cornell, ST2:Feb 70:441:7047
TR:136:736

Joseph, Eratakulan S.
Probability Distribution of Annual Droughts, IR4: Dec 70:461:7727
Dsc: Krishan P. Singh, IR3:Sept 71:539:8346; Henry C. Riggs, IR3:Sept 71:540:8346

Joustra, D. Sj.
See W. T. Bakker, 12CEC:pp.709-728, 1971

Joyner, Harvey R.
Regional/Local Conflicts in Transportation Planning, Preprint No.1485, July 71

Judycki, Dennis C.
West Virginia Commercial Air Trip Generations, with Frederick J. Wegmann and Everett C. Carter, TE2:May 70:185:7281
TR:136:492

Juhl, Heinz G.
Horizontal Thermal Movement of Curved Bridge Decks, ST10:Oct 70:2037:7590
Dsc: Ganpat S. Pandit, ST7:July 71:2025:8225; Walter Lippoth, ST8:Aug 71:2145:8271

Juliano, David W.
Reaeration Measurements in an Estuarn, SA6:Dec 69:1165:6987
Clo: SA1:Feb 71:104:7865
TR:136:391

Jumikis, Alfreds R.
Soil Vertical Stress Influence Charts for Rectangles, TN: SM2:Feb 71:521:7860

XUM

Justin, Joel B.
Dsc, IR4:Dec 69:610:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Kaar, Paul H.
See Harold W. Conner, ST3:Mar 70:637:7168

Kadar, Istvan
Aluminum Space Structures in Hungary, Preprint No.1370, Apr 71

Kagan, Harvey A.
Dsc, ST7:July 70:1614:7386, of "Field Tests of Aluminum Orthotropic Bridge Deck", ST11:Nov 69:2463:6920

Kahan, Jeanine M.
See Marvin C. Gersten, CE:July 70:68

Kahn, Lawrence F.
See Harvey H. Haynes, ST4:Apr 71:1283:8078

Kaiser, Charles B., Jr.
Regional Waste Water System, CWFE:Mar 71:57

Kaldjian, Movses J.
Earthquake Response of a Ramberg-Osgood Structure, with William R.S. Fan, ST10:Oct 68:2451:6196
TR:136:656
Torsional Stiffness of Embedded Footings, SM7:July 71:969:8241

Kalinoski, Joseph J.
See Dalim K. Majumdar, SM1:Jan 70:307:6989

Kalinske, Anton A.
Dsc, SA5:Oct 71:792:8409, of "Physical Behavior of Flocculent Suspensions in Upflow", SA2:Apr 71:209:8054

Kaliszky, Sandor
Dsc, EM4:Aug 71:1299:8266, of "Optimum Design of Reinforced Concrete Tanks", EM6:Dec 70:1093:7739

Kalkwijk, J. P. Th.
Cavitation in Horizontal Pipelines Due to Water Hammer, with C. Kranenburg, HY10:Oct 71:1585:8440

Kamaraj, L. K.
See A. R. Santhakumar, EM3:June 70:370:7309

Kamel, Adel M.
Flushing Pattern of Non-reactive Effluents, 12CEC:pp.1867-1885, 1971
Shock Pressure on Coastal Structures, WW3:Aug 70:689:7487
Dsc: J. Richard Weggel, WW3:Aug 71:584:8272
Dsc, WW2:Mar 71:433:8086, of "Numerical Model for Wave Pressure Distributions", WW3:Aug 70:623:7467

Kameswara Rao, C. V.S.
Dsc, with Jawalker K. Sridhar Rao, ST12:Dec 69:2990:6932, of "Load Carrying Capacity of Simple Composite Columns", ST2:Feb 69:209:6412
Dsc, with Jawalker K. Sridhar Rao, EM2:Apr 70:169:7188, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3:June 69:531:6604

Kameswara Rao, C. V. S.
See Jawalker K. Sridhar Rao, EM6:Dec 71:1750:8551

Kameswara Rao, N. S. V.
Variational Approach to Beams on Elastic Foundations, with Y. C. Das and M. Anandakrishnan, EM2:Apr 71:271:8034
Dsc, SM3:May 70:1055:7249, of "Euler Beams on a Two Parameter Foundation Model", SM4:July 69:933:6651
See M. R. Madhav, TN: SM1:Jan 71:295:7787

Kamphuis, J. William
Impulse Waves Generated by Landslides, with R. J. Bowering, 12CEC:pp.575-588, 1971
Mathematical Tidal Study of St. Lawrence River, HY3:Mar 70:643:7141
TR:136:624
Dsc, WW4:Nov 69:600:6869, of "Breaker Travel and Choice of Design Wave Height", WW2:May 69:175:6569
Dsc, HY5:May 71:761:8081, of "Implicit Flood Routing in Natural Channels", HY12:Dec 70:2481:7773
See Mahmet S. Yalin, 12CEC:pp.625-638, 1971

Kao, Kvan H.
See J. J. Vickery, Preprint No.1384, Apr 71

Kao, Teh-Yuh
Hydraulic Jump Assisted by Cross-Jet, HY12:Dec 71:2037:8614

Kao, Timothy W.
Dsc, HY4:Apr 70:1068:7189, of "Selective Withdrawal from Density-Stratified Reservoirs", HY4:July 69:1369:6702

Kaplan, A.
See T. K. Hasselman, Preprint No.1487, July 71

Kapoor, Surinder K.
Emergency Water Disinfection Practice, with John T. O'Connor, NSCD:pp.179-188, 1971

Kapur, V. K.
See Jawalker K. Sridhar Rao, EM6:Dec 71:1750:8551

Karadi, Gabor M.
See Raymond J. Krizek, HY10:Oct 71:1625:8436

Karafiath, Leslie L.
Dsc, SM6:Nov 70:2146:7643, of "Bearing Capacity of Foundation on Sand", SM2:Mar 70:545:7158

Karaki, Susumu
See Hsieh W. Shen, HY6:Nov 69:1919:6891
See Philip H. Burgi, IR1:Mar 71:59:7968

Karbs, Harlan H.
See M. Abdel-Hady, IR3:Sept 71:355:8360

Kariya, S.
See K. Tachibana, Preprint No.1429, July 71

Karlsrud, Kjell
See Robert V. Whitman, SM1:Jan 71:1:7809

Karlsson, Inge
See Lennart Elfgren, ST2:Feb 71:729:7867
See Lennart Elfgren, ST3:Mar 71:995:7944

Karlsson, Thorbjorn
Refraction of Continuous Ocean Wave Spectra, WW4:Nov 69:437:6881
TR:136:206

Karmeli, David
Design of Optimal "Water Distribution Networks, with Y. Gadish and S. Meyers, PL1:Oct 68:1:6130
TR:136:589

Karsan, I. Demir
Behavior of Concrete under Compressive Loadings, with James O. Jirsa, ST12:Dec 69:2543:6935
Dsc: Satyendra K. Ghosh, ST6:June 70:1254:7314; Warayana K. Raju, ST7:July 70:1618:7386; Sushil Chandra, ST8:Aug 70:1827:7442; Ganpat S. Pandit, ST9:Sept 70:1970:7567
TR:136:390
Behavior of Concrete Under Varying Strain Gradients, with James O. Jirsa, ST8:Aug 70:1675:7484
Dsc: Zdenek P. Bazant, ST12:Dec 70:2682:7714; Satyendra K. Ghosh, ST5:May 71:1644:8084
Clo: ST12:Dec 71:2888:8557

Kartha, Viswanathan C.
Distribution of Tractive Force in Open Channels, with Hans J. Leutheusser, HY7:July 70:1469:7415
Dsc: Hubert J. Tracy, HY11:Nov 70:2399:7641; R. Smutek, HY4:Apr 71:614:8012; K. G. Ranga Raju and A. P. Bahadur, HY5:May 71:738:8081
Clo: HY11:Nov 71:1898:8483

Kashef, Abdel-Aziz I.
Seepage Towards Highway Cuts, TE4:Nov 69:667:6912
Errata: TE4:Nov 70:654:7642
TR:136:292

Kashmeeri, Nouri A.
See Donald H. Gray, SM1:Jan 71:193:7857

Kassiff, Gabriel
Aging Effects on Swell Potential of Compacted Clays, with Raphael Baker, SM3:Mar 71:529:7951
Dsc: Robert C. Davis, SM9:Sept 71:1348:8347; Elias Zolkov, SM9:Sept 71:1349:8347; Venkatraman Srinivasan and James V. Parcher, SM10:Oct 71:1504:8410; Narayan Nayak, SM10:Oct 71:1507:8410; Kolinjuvadi S. Sankaran and D. Venkateshwar Rao, SM12:Dec 71:1714:8556

Kassim, P.
See P. Suryaprakasa Rao, 12CEC:pp.1365-1381, 1971

Kastner, S.
Dsc, BMS:pp.139-143, 1971, of "Physical Model of the Moored Ship as an Oscillating System", BMS: pp.53-66, 1971

Katakura, Fredric T.
See Ernest C. James, Preprint No.1323, Jan 71
See Ernest C. James, PO4:Dec 71:876:8551

Katibah, George P.
Construction Control by Programmetric Methods, SU1:Oct 69:1:6809
TR:136:1084

Kato, Makoto
Extension of the New Tokaido Line, Preprint No.1519, July 71

Katow, Takeyuki
Dsc, ST8:Aug 70:1846:7442, of "Residual Stresses in Curved Laminated Wood Beams", ST12:Dec 69: 2873:6977

Kaufman, Warren J.
See Yerachmiel Argaman, SA2:Apr 70:223:7201

Kavanagh, Thomas C.
Tall Buildings--A Technological Assessment, PP1:Oct 71:111:8476
Dsc, PP1:Oct 71:75:8408, of "Systems Approach and the Civil Engineer", PP1:Oct 71:65:8457

Kavanaugh, Michael C.
Is Technology Relevant?, CE:Oct 70:44
Dsc: Is Kavanaugh Relevant?, Bob Persons, CE: Feb 71:66; Kurt V. Leininger, CE:Mar 71:56
TR:136:872
See Albert M. Wright, SA2:Apr 70:620:7190

Kavlie, Dag
Automated Design of Frame Structures, with Johannes Moe, ST1:Jan 71:33:7823
Efficient Reanalysis of Modified Structures, with Graham H. Powell, ST1:Jan 71:377:7846
Dsc: Nils-Erik Wiberg, ST10:Oct 71:2612:8411

Kawal, Donald E.
Information Utilization in Project Planning, CO2:Nov 71:227:8505

Kawata, Kazuyoshi
See Vincent P. Olivieri, NSCD:pp.365-384, 1971
See Vincent P. Olivieri, SA5:Oct 71:661:8419

Kay, J. Neil
Nomograph for Bearing Capacity, TN: SM1:Jan 71: 301:7787

Kay, Stephen
See Ian M. Smith, SM7:July 71:981:8263

Kaya, Azmi
Optimization of Traffic Flow for Urban Freeways, Preprint No.1447, July 71

Kazmann, Raphael G.
Exotic Uses of Aquifers, IR3:Sept 71:515:8352
Dsc, IR3:Sept 71:535:8346, of "Optimal Allocation of Stochastic Water Supply", IR4:Dec 70:395:7718

Kealy, C. Dan
See Howard C. Pettibone, SM9:Sept 71:1207:8382

Keck, Henry E.
Wave Propagation in Transversely Isotropic, Layered Cylinders, with Anthony E. Armenakas, EM2:Apr 71:541:8071

Keer, Leon M.
See Manuel A. G. Silva, EM3:June 71:1007:8220
See Manuel A.G. Silva, ST8:Aug 71:2073:8319

Keffer, W. J.
See H. G. Brown, Preprint No.1544, Oct 71

Kehnemuyi, Muzaffer
Foundations for Salem Nuclear Generating Station, CE:May 70:52
TR:136:412

Keim, Paul F.
Dsc, SM1:Jan 70:355:6989, of "Dynamic Prediction of Pile Static Bearing Capacity", SM2:Mar 69:583: 6468
Dsc, UP1:Mar 70:97:7119, of "Water Resources as an Element of Urban Planning", UP1:Aug 68:1: 6056

Keir, Gordon
Pressure Fluctuations on Submerged Sluice Gate, with Tharakkal E. Unny, Jr. and Harry M. Hill, HY4:Nov 69:1781:6875
Dsc: Frank R. Schiebe, HY5:May 70:1222:7248
Clo: HY2:Feb 71:340:7863
TR:136:254

Keith, James M.
Harbor Study for San Nicolas Bay, Peru, with Emmett J. Murphy, 12CEC:pp.2195-2223, 1971

Keller, George H.
Engineering Properties of Some Sea-Floor Deposits, SM6:Nov 69:1379:6907
TR:136:289

Kellerhals, Rolf
Runoff Routing Through Steep Natural Channels, HY11:Nov 70:2201:7666
TR:136:1278
Sampling Procedures for Coarse Fluvial Sediments, with Dale I. Bray, HY8:Aug 71:1165:8279
Dsc, HY4:Apr 70:1056:7189, of "Friction-Factors for Flat-Bed Flows in Sand Channels", HY4:July 69: 1227:6678

Kellogg, Joseph C.
A Profile of the Future Construction System, CO1: Mar 71:147:7938

Kelnhofer, Guy J., Jr.
Regional Water Resources Planning: A State View, UWRM:pp.111-119, 1971

Kelso, Maurice M.
See William E. Martin, IR4:Dec 69:611:6930

XUM

Kemp, Patrick H.
Beaches Produced by Waves of Low Phase Difference, with David Plinston, HY5:Sept 68:1183: 6100
Dsc: T. R. Chandrasekhara and S. Muddappa, HY4:July 69:1470:6641
Clo: HY5:May 70:1197:7248
TR:136:631
See Philip B. Williams, HY4:Apr 71:505:8042

Kennedy, D.J. Laurie
See Y. W. Leung, ST12:Dec 71:2900:8557

Kennedy, Donald A.
Indoor Territoriality: An Anthropological Perspective, ABS:pp.37-41, 1971

Kennedy, J. Stewart
Effect of Weight on Large Deflections of Arches, with Anand S. Aggarwal, EM3:June 71:637:8165

Kennedy, John F.
See Frederico Lovera, HY4:July 69:1227:6678
See Abu M.Z. Alam, HY6:Nov 69:1973:6900

Kent, Dudley Charles
Flexural Members with Confined Concrete, with Robert Park, ST7:July 71:1969:8243

Kent, Theodore A.
Framework Plan for Ohio Basin Navigation to 2020, WW3:Aug 70:665:7473
Dsc: Sol M. Gieser, WW1:Feb 71:230:7868; James W. Nisbet, WW4:Nov 71:761:8488

Kerri, K. D.
See Kip Payne, HY4:July 69:1163:6665

Kesler, Clyde E.
See Joseph P. Callahan, ST10:Oct 70:2021:7579

Keulegan, Garbis H.
Tsunami Refraction Diagrams by Digital Computer, with John Harrison, WW2:May 70:219:7261
TR:136:602

Khan, Abdul Q.
Dsc, with Aftab A. Mufti and Philip J. Harris, ST5: May 71:1646:8084, of "Finite Element on Elastic Foundation", ST10:Oct 70:2083:7604

Khan, Fazlur
See Clyde N. Baker, Jr., SM2:Feb 71:417:7934

Khandekar, Ashok A.
See Kashi T. Krishnaswamy, ST2:Feb 71:719:7867

Khanna, Sat Dev
Experimental Investigation of Form of Bed-Roughness, HY10:Oct 70:2029:7623
Dsc: Alan L. Prashun, HY7:July 71:1146:8223
Dsc, HY7:July 70:1657:7384, of "Channel Slope Effect on Peak Discharge of Natural Streams", HY2:Feb 70:307:7052

Khaskhachikh, G. D.
Regular Wave Effects on Walls Made of Cylinders, with O. M. Vanchagov, WW4:Nov 71:735:8547

Khojasteh-Bakht, Mahmoud
Analysis of Elastic-Plastic Shells of Revolution, with Egor P. Popov, EM3:June 70:327:7354
TR:136:936

Khot, N. S.
See Vipperla B. Venkayya, EM2:Apr 70:173:7188

Khozeimeh, Khalilollah
See E. A. Akkoush, Preprint No.1405, Apr 71
See Theodore G. Toridis, EM3:June 71:847:8205

Khwaja, Imamuddin
Nonlinear Bending of Bars, TN: EM1:Feb 71:137: 7858

Kidder, Alice E.
See Arthur Saltzman, Preprint No.1498, July 71

Kiefer, Ralph W.
Aerial Photography for Water Resource Studies, with James P. Scherz, SU2:Nov 71:321:8545
Airphoto Interpretation of Flood Plain Soils, SU1:Oct 69:49:6819
TR:136:417
Applications of Airborne Remote Sensing Technology, with James P. Scherz, SU1:Apr 70:57: 7225
TR:136:781
Dsc, CE:Dec 70:58, on Ecological Values and Regional Planning, CE:Aug 70:40

Kieffer, Jarold A.
The Success of the Auto Should be a Lesson to Us, Preprint No.1505, July 71

Kiehl, Robert
Dsc, CE:Mar 70:53, on Black People Call for ASCE Social Action, CE:Dec 69:73

Kilpatrick, Frederick A.
Dsc, SA3:June 70:856:7313, of "Fluorometer Calibration Curves and Nomographs", SA4:Aug 69: 705:6728

King, Danny L.
Dsc, with Perry L. Johnson, HY9:Sept 71:1535:8345, of "Mechanics of Stratified Flow Through Orifices", HY12:Dec 70:2401:7757

King, George J. W.
Comparison of Stress-Dilatancy Theories, with Edward A. Dickin, SM5:Sept 70:1697:7516
Dsc: Peter W. Rowe, SM4:Apr 71:704:8014
Clo: SM11:Nov 71:1598:8484

King, Ian P.
Dsc, HY11:Nov 70:2379:7941, of "Efficient Code for Steady-State Flows in Networ ", HY1:Jan 70:43: 7002

King, Jim D.
Redesign Modernizes Old Bridge, with Harry R. Powell, CE:Nov 70:37
TR:136:1074

King, Paul H.
See Clifford W. Randall, SA2:Apr 70:395:7223

King, R. M.
Dsc, PO1:Jan 71:223:7784, of "Tailwater Encroachment", PO2:Oct 69:167:6798

Kinman, Riley N.
Status of Water Disinfection with Iodine, with A. P. Black and W. C. Thomas, Jr., 4NSCD:pp.11-35, 1971
See R. F. Layton, NSCD:pp.285-305, 1971

Kinneman, William P.
See Peter A. Hakman, WW2:May 70:557:7252

Kinsky, Jan
See Sam Frydman, SM8:Aug 71:1124:8270

Kinstlinger, Jack
New Approaches to Urban Transportation Needs, NA:Mar 71:197

Kirby, James W.
Weed Control in Arid Southwest, with A. Darrell Summers, IR4:Dec 71:571:8570
Weed Control in the Arid Southwest, with A. Darrell Summers, Preprint No.1315, Jan 71

Kirby, Malcolm
Dsc, SA3:June 71:387:8157, of "Decentralized Solid Waste Collection Facilities", SA5:Oct 70:1035:7594

Kirdar, Edib
See Thomas T. Wilson, Jr., HY3:May 69:995:6575
See Thomas T. Wilson, Jr., IR3:Sept 70:299:7541

Kirkham, Don
See Sadik Toksoz, IR1:Mar 71:1:7985
See Sadik Toksoz, IR1:Mar 71:19:7986

Kirkhope, James
See G. Jeyaraj Wilson, EM5:Oct 71:1570:8406

Kirkland, J. E.
See William F. Willis, PO2:Oct 69:321:6861

Kirkpatrick, William M.
Strain Conditions in Compression Cylinder, with J. Scott Younger, SM5:Sept 70:1683:7504
TR:136:1118

Kisak, George
Computer Aids Draftsmen in Soil Profiles and Analysis, with B. James Greenfield, CE:Feb 71:67

Kise, James
Behavioral Sciences Investigation, ABS:pp.101-107, 1971

Kisiel, Chester C.
Analysis of Ephemeral Flow in Aridlands, with Lucien Duckstien and Martin M. Fogel, HY10:Oct 71:1699:8455
Dsc, HY12:Dec 71:2104:8552, of "Where Is Urban Hydrology Practice Today?", HY2:Feb 71:257:7917
Dsc, HY12:Dec 71:2105:8552, of "Reservoir Operation With Imperfect Flow Forecasts", HY2: Feb 71:323:7931
Dsc, IR4:Dec 71:654:8553, of "Evaluating Watershed Management Alternativee", IR1:Mar 71:93:7952
Dsc, SA6:Dec 71:941:8555, of "Analysis of Water Temperature Variations in Large River", SA1:Feb 71:19:7908
See Lucien Duckstein, SA6:Dec 71:939:8555

Kissam, Philip
Dsc, SU2:Sept 70:301:7501, of "Mapping for Changing Environment", SU1:Oct 69:35:6818

Kitipornchai, Sritawat
See John R. Booker, EM5:Oct 71:1451:8415
See Nicholas S. Trahair, ST10:Oct 71:2535:8445
See Nicholas S. Trahair, EM6:Dec 71:1753:8551

Kittides, Christopher P.
Dsc, CE:May 71:59, on The Alternative to Unionism, CE:Feb 71:43

Klander, Louis T.
Small Budget Rapid Transit, NA:Mar 71:69

Klee, Albert J.
Sample Weights in Solid Waste Composition Studies, with Dennis Carruth, SA4:Aug 70:945:7469
Dsc: Donald J. Hagerty, Joseph L. Pavoni and John E. Heer, Jr., SA3:June 71:384:8157
See Robert M. Clark, SA5:Oct 71:563:8403

Klegerman, Morris H.
Financing Water Quality Control on a National Basis, CWFE:Mar 71:131

Klehm, William L
See Clarence T Gordon, ST2:Feb 70:199:7065

Klein, Norman M.
Experiences with Interdisciplinary Teams, ABS: pp.83-90, 1971

Klein, R. E.
The Measurement of Tidal Water Transport in Channels, 12CEC:pp.1887-1901, 1971

Klein, Stanley
Dsc, ST5:May 70:983:7250, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510

Klein Breteler, E. H.J.
See W. T. Bakker, 12CEC:pp.1001-1020, 1971

Kleiner, David E.
Environmentally Attractive Methods to Store or Use Fly Ash, Preprint No.1555, Oct 71
Rock Mechanics Studies for Mossyrocky Arch Dam, with Richard C. Acker, PO1:Jan 71:11:7795
Errata: PO4:Dec 71:875:8554

Klingeman, Peter C.
See Michael C. Roberts, HY7:July 70:1656:7384

Klingner, Richard
See Graham H. Powell, ST9:Sept 70:1919:7555

Kloppel, Kurt
Dsc, with Wolfhart Uhlmann, ST7:July 70:1617:7386, of "Inelastic Analysis of Multistory Multibay Frames", ST11:Nov 69:2477:6922

Klosner, Jerome M.
Inadequacies of Piston Theory in Fluid-Shell Interactions, EM2:Apr 70:143:7237
TR:136:1199

Kluber, Thomas
Dsc, with Herbert Breth, SM11:Nov 71:1609:8484, of "Flow Through Rockfill Dam", SM2:Feb 71:329: 7914

Klumb, David L.
See F. E. Wisely, CE:Jan 71:56

Kneen, Peter K.
See Cedric Marsh, Preprint No.1391, Apr 71

Knisel, Walter G.
Depth-Integrating and Dip Samplers, with Ralph W. Baird, HY2:Feb 70:497:7084
TR:136:569

Knowles, Robert B.
Axial Load Design for Concrete Filled Steel Tubes, with Robert Park, ST10:Oct 70:2125:7597
Dsc: Richard W. Furlong, ST8:Aug 71:2150:8271
Strength of Concrete Filled Steel Tubular Columns, with Robert Park, ST12:Dec 69:2565:6936
Dsc: Sushil Chandra, ST8:Aug 70:1828:7442; Julius G. Potyondy, ST10:Oct 70:2235:7570
Clo: ST5:May 71:1633:8084
TR:136:752

Knudson, Stanley A.
Vibration of Support Excited Tubes in Coaxial Flow, with Gerald S. Smith, EM6:Dec 70:1039:7775
Dsc: Shoei-sheng Chen, EM5:Oct 71:1579:8406

Ko, Stephen C.
See Walter H. Graf, TN: HY8:Aug 71:1265:8274

Kobayashi, Akira
See Takeshi Ijima, 12CEC:pp.1537-1556, 1971

Kobs, E. C.
Foreign Service, PP1:July 69:79:6703
Dsc: Frederick L. Hotes, PP1:Sept 70:156:7549
TR:136:815

Koch, DuWayne A.
Implication of Systems Analysis to Inland Navigation, WW3:Aug 71:559:8302
Replacement-Lock and Dam No. 26: Projecting Waterborne Commerce-Inland Navigation, WW1: Feb 70:9:7100
TR:136:507
See Anson G. Eickhorst, WW1:Feb 70:15:7094

Kocsis, Peter
Dsc, SM6:June 71:932:8158, of "Lateral Load Tests on Piles-Arkansas River Project", SM5:Sept 70: 1583:7510

XUM

Koerner, Robert M.
Behavior of Single Mineral Soils in Triaxial Shear, SM4:July 70:1373:7432
Dsc: T. S. Ramanatha Iyer, SM3:Mar 71:593:7943
Clo: SM10:Oct 71:1491:8410
TR:136:1323
Effect of Particle Characteristics on Soil Strength, SM4:July 70:1221:7393
Dsc: B. Ramanathan, SM4:Apr 71:690:8014; N. Keith Tovey and David H. Krinsley, SM4:Apr 71:691:8014; Jean-Pierre Giroud, SM4:Apr 71:693:8014
Clo: SM10:Oct 71:1490:8410
TR:136:1317
Experimental Behavior of Downdrag in Deep Foundations, TN: SM2:Feb 71:515:7860

Koga, Kazutami
See Takeshi Ijima, 12CEC:pp.137-149, 1971

Koh, Robert C. Y.
Two-Dimensional Surface Warm Jets, HY6:June 71:819:8186
See Norman H. Brooks, HY4:July 69:1369:6702

Kohl, John C.
Urban Transportation - A Persistent Paradox, NA:Mar 71:61

Kohnke, Peter C.
Dsc, ST9:Sept 70:1977:7567, of "Analysis of Three Dimensional Thin-Walled Structures", ST12:Dec 69:2863:6968
See Duane L. Cronk, CE:Apr 71:40

Koisch, Francis P.
Supercarriers Versus U.S. Harbor Dimensions, WW1:Feb 71:19:7904

Kolb, Lawrence P.
See Robert L. McFall, CE:Apr 71:41

Koller, Earl R.
See Carl R. Wilder, CE:Oct 71:60

Koloseus, Herman J.
Dsc, CE:Nov 70:61, on Chart for Classification of Flow Profiles in Wide Rectangular Channels, CE:July 70:62
Dsc, HY1:Jan 71:214:7783, of "Calibration of Walnut Gulch Supercritical Flumes", HY8:Aug 70:1681:7479
Dsc, HY12:Dec 71:2110:8552, of "Effects of Mechanical Cleaning Operations on Flow In Large Conduits", HY5:May 71:677:8110

Kolpak, M. M.
A System for Measuring Orbital Velocities in Waves, with P. S. Eagelson, 12CEC:pp.327-343, 1971

Koltnow, Peter G.
Dsc, CE:Apr 71, on Population and People, CE:Dec 70:27

Kono, Tsugio
See Hiroyoshi Shi-igai, 12CEC:pp.563-573, 1971

Konyalian, R.
Dsc, with Theodore V. Galambos, ST3:Mar 70:737:7116, of "Nonuniform Torsion of Composite Beams", ST6:June 69:1233:6623

Koppula, Sivajogi D.
Dsc, SM8:Aug 71:1134:8270, of "Phreatic Surface Location after Drawdown", SM1:Jan 71:47:7806
See David S. Matheson, SM7:July 71:1034:8224

Korn, Alfred
Bounding of Frame Buckling Loads, ST8:Aug 70:1639:7452
Dsc: Ernest F. Masur, ST12:Dec 70:2680:7714; Frederic W. Williams, ST5:May 71:1642:8084
Clo: ST12:Dec 71:2885:8557

Korol, R. M.
See Archibald N. Sherbourne, Preprint No.1386, Apr 71

Kos, Peter
Dsc, with Ivo Pardus, SA2:Apr 70:642:7190, of "Low Temperature Activated Sludge Settling", SA4:Aug 69:747:6747

Kost, Garrison
See Roland L. Sharpe, ST4:Apr 71:1157:8063

Kostro, George
See Semih S. Tezcan, ST2:Feb 70:421:7047
See Semih S. Tezcan, ST1:Jan 71:407:7847

Kothandaraman, Veerasamy
Analysis of Water Temperature Variations in Large River, SA1:Feb 71:19:7908
Dsc: Chester C. Kisiel, SA6:Dec 71:941:8555
Probabilistic Variations in Ultimate First Stage BOD, SA1:Feb 70:27:7054
TR:136:425
Dsc, SA6:Dec 71:951:8555, of "Problems Associated with Planning BOD Experiments", SA3:June 71:333:8202

Kott, Yehuda
Chlorination Dynamics in Wastewater Effluents, NSCD:pp.585-608, 1971
Chlorination Dynamics in Wastewater Effluents, SA5:Oct 71:647:8433

Kotzias, Panaghiotis C.
Preloading for Heavy Industrial Installations, with Aris C. Stamatopoulos, SM6:Nov 69:1335:6902
Dsc: A. Rabinovici, SM4:July 70:1475:7385
Clo: SM2:Feb 71:479:7866
TR:136:253
Preloading for Heavy Industrial Installations, with Aris C. Stamatopoulos, PISST:pp.321-341, 1971
Dsc: A. Rabinovici, PISST:pp.342-343, 1971
Clo: PISST:pp.343-344, 1971
See Aris C. Stamatopoulos, SM1:Jan 71:262:7785

Kouwen, Nicholas
Flow Retardance in Vegetated Channel , with Tharakkal E. Unny, Jr. and Harry M. Hill, IR2:June 69:329:6633
Dsc: J. Wesseling, IR1:Mar 70:101:7114; Michael R. Gourlay, IR3:Sept 70:351:7498
Clo: IR2:June 71:321:8156
TR:136:77

Kovacs, William D.
Dynamic Moduli and Damping Ratios For Soft Clay, with H. Bolton Seed and Clarence K. Chan, SM1:Jan 71:59:7813
Dsc: Kolinjuvadi S. Sankaran and Madurachari S. Subrahmanyam, SM9:Sept 71:1345:8347
Studies Of Seismic Response Of Clay Banks, with H. Bolton Seed and Izzat M. Idriss, SM2:Feb 71:441:7878

Kowalczyk, Ryszard
Dsc, ST3:Mar 71:989:7944, of "Effects of Reinforcements on Ductility of Concrete", ST6:June 70:1167:7366

Kozin, Frank
See Roy Levy, EM2:Apr 71:495:8057

Kraft, Leland M., Jr.
See Tien H. Wu, SM2:Mar 70:609:7174

Krajcinovic, Dusan
Limit Analysis of Structures, ST9:Sept 69:1901:6778
Dsc: Morris Ojalvo, ST1:Jan 70:165:6990; Jose M. Anton, ST4:Apr 70:871:7191
Clo: ST7:July 70:1599:7386
TR:136:229
Matrix Force Analysis of Thin-Walled Structures, ST1:Jan 70:107:7024
TR:136:537

Dsc, EM2:Apr 70:180:7188, of "Parametric Vibration Response of Columns", EM3:June 69:665:6619
Dsc, ST4:Apr 71:1377:8015, of " Elastic Lateral Buckling of Steel Beam", ST9:Sept 70:1919:7555

Krambles, George
Transit Marketing in Chicago, TE2:May 71:361:8134

Kramer, Gary R.
Hydrolysis of Lipids in Wastewater, SA5:Oct 71:731:8418

Kramer, Johann
Design Criteria for North Sea Dikes, WW4:Nov 71:703:8548

Kramer, Larry A.
See Keith E. Saxton, HY11:Nov 71:1835:8523

Kranenburg, C.
See J. P. Th. Kalkwijk, HY10:Oct 71:1585:8440

Kratz, Ralph
Arctic Hangar for Minus 60 Deg F, CE:May 71:72

Kravitz, Richard A.
Tower Designs for AEP 765-KU Project, with James A. Samuelson, PO2:Oct 69:305:6855
Dsc: E. S. Zobel, PO1:Jan 71:234:7784
Clo: PO4:Dec 71:871:8554

Kray, Casimir J.
Effect on Waterway Depth and Alignments, WW2:May 70:497:7305
Dsc: F. Sherman Cauldwell, WW1:Feb 71:225:7868; Charles G. Moody, WW2:May 71:430:8086

Krinsley, David H.
See N. Keith Tovey, SM4:Apr 71:691:8014

Krishna, Prem
Study of Suspended Roof Model, with Tej P. Agarwal, ST6:June 71:1671:8168

Krishnamurthy, M.
Dsc, with K. V.N. Sarma, HY12:Dec 70:2658:7711, of "Erodibility of Channels With Cohesive Boundary", HY3:Mar 70:755:7156
See Alan T. Roper, HY7:July 70:1636:7384

Krishnamurthy, Natarajan
Dsc, ST4:Apr 71:1366:8015, of "Shear Lag in Stiffened Box Girders", ST7:July 70:1403:7409

Krishnasamy, Settiana G.
Model I-Shaped Beams under Alternating Deflections, with Archibald N. Sherbourne, TN: ST3:Mar 71:1015:7946

Krishnaswamy, Kashi T.
Dsc, EM2:Apr 70:171:7188, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3:June 69:531:6604
Dsc, with Ashok A. Khandekar, ST2:Feb 71:719:7867, of "Moment-Resistance Connections in Precast Concrete", ST12:Dec 69:2723:6947

Kristek, Vladimir
Tapered Box Girders of Deformable Cross Section, ST8:Aug 70:1761:7489
Errata: ST6:June 71:1817:8159
Clo: ST7:July 71:2021:8225
TR:136:999
Dsc, ST12:Dec 71:2916:8557, of "Need For Diaphragms in Concrete Box Girders", ST3:Mar 71:825:7965

Kriz, George J.
See Eugene W. Rochester, Jr., SA5:Oct 70:1235:7627

Krizek, Raymond J.
Unsteady Drawdown in Well Groups, with Gabor M. Karadi and D. Babu Rao, HY10:Oct 71:1625:8436
Vibratory Densification of Damp Clayey Sands, with Jose I. Fernandez, SM8:Aug 71:1069:8320
See Wallace H. Baker, SM1:Jan 70:269:7015
See Robert D. Holtz, CO1:June 70:29:7358
See Francis G. McLean, TN: SM1:Jan 71:305:7787

Krokosky, Edward M.
Fire Intensity-Resistance Evaluation, ST11:Nov 70:2501:7706
TR:136:1282
Optimal Multifunctional Material Systems, EM2:Apr 71:559:8077
Dsc: Jawalker K. Sridhar Rao, V. K. Kapur and C. V. S. Kameswara Rao, EM6:Dec 71:1750:8551
See Chester P. Smolenski, ST4:Apr 70:823:7243
See R. S. Atkins, UP1:Apr 71:41:8022

Kroll, Geoffrey D.
See J. Hartley Daniels, ST3:Mar 70:671:7173

Krone, Ray B.
See Richard A. Bradley, SA1:Feb 71:59:7926
See David K. Hills, SA6:Dec 71:851:8596

Kruse, Cornelius W.
Halogen Action on Bacteria, Viruses, and Protozoa, with Yu-Chih Hsu, Annabel C. Griffiths and Richard Stringer, NSCD:pp.113-136, 1971
See Richard Stringer, NSCD:pp.319-338, 1971
See Richard Stringer, SA6:Dec 71:801:8567

Kruse, E. Gordon
See Ion Nicolaescu, IR3:Sept 71:343:8358

Kruse, George H.
Properties and Steel Tunnel Liners, PO3:June 70:4115:7357
Dsc: Frederic L. Lawton, PO1:Jan 71:263:7784

Kruse, Gordon E.
See Howard R. Haise, IR4:Dec 69:503:6969

Krutchkoff, Richard G.
See Stephen W. Custer, SA5:Oct 69:865:6834

Krylov, Yu M.
Estimation of Wave Parameters at Marine Construction, with S. S. Strekalov and V. F. Tsyploukhin, TN: WW4:Nov 71:793:8491

Kuba, Edward M.
See Robert L. Wiegel, WW2:May 70:307:7279

Kuesel, Thomas R.
Earthquake Design Criteria for Subways, ST6:June 69:1213:6616
Dsc: Asadour H. Hadjian, ST1:Jan 70:159:6990; Anatol A. Eremin, ST3:Mar 70:736:7116
TR:136:718

Kuhlemeyer, Roger L.
See John Lysmer, EM4:Aug 69:859:6719

Kukacka, Lawrence E.
Concrete-Polymer Composites, with Peter Colombo, Meyer Steinberg and Bernard Manowitz, ST9:Sept 71:2217:8363

Kulak, Geoffrey L.
See Sherwood F. Crawford, ST3:Mar 71:765:7956

Kulandaiswamy, V. C.
See Ven Te Chow, HY6:June 71:791:8176

Kulin, Gershon
Dsc, IR4:Dec 70:494:7712, of " Triangular Broad-Crested Weir", IR4:Dec 69:493:6954

Kulp, Elmer F.
High Precision Levels with Automatic Instruments, SU2:Sept 70:121:7514
TR:136:812

XUM

Kumagai, James S.
See Donald B. Porcella, SA4:Aug 70:911:7460

Kumbasar, Nahit
See Paul P. Lynn, EM1:Feb 69:255:6425

Kummerle, Richard E.
See Gunnar A. Harstead, PO2:Oct 69:277:6852
See Gunnar A. Harstead, PO2:Mar 71:475:7966

Kuo, C. T.
Experimental Studies on the Generation of Waves in Shallow Water, with Frederick L.W. Tang, 12CEC: pp.179-201, 1971

Kuo, Chin-Yih
Dsc, EM2:Apr 70:177:7188, of "Validity of Stokes Theory for Accelerating Spheres", EM3:June 69: 629:6613
Dsc, WW4:Nov 70:867:7645, of "Turbulent Diffusion and Entrainment in Two-Layer Flow", WW1:Feb 70:97:7081
Dsc, EM2:Apr 71:585:8011, of "Lift-Oscillator Model of Vortex-Induced Vibration", EM5:Oct 70: 577:7606

Kuppusamy, T.
See M. Anandakrishnan, SM2:Mar 70:772:7115

Kurtz, Max
Dsc, CE:Apr 71:65, on Graphical Method for Finding All Roots of Quadratic and Cubic Equations, CE:Jan 71:53

Kurzeme, Marcis
In-Situ Investigation Using SH-Waves, SM2:Feb 71: 341:7918

Kuzminski, Lawrence N.
Effect of Inorganics on Disinfection by Halogens, with Tsuan H. Feng and Chih C. Liu, NSCD:pp.85-111, 1971

Kwon, Hyuck J.
See Sherwood M. Gagliano, 12CEC:pp.1767-1781, 1971

Kyanka, George H.
Dsc, ST7:July 70:1624:7386, of "Stability Problems of Wood Truss Bridge", ST2:Feb 70:353:7095

Kycek, Robert V.
Ketchikan Waterfront Development, with Peter Semrad, Preprint No.1554, Oct 71
See George T. Treadwell, WW1:Feb 71:123:7883

Laak, Rein
Dsc, with Thomas F. Zimmie, SA2:Apr 70:634:7190, of "Septic Tank Systems", SA4:Aug 69:715:6735

La Baugh, Wesley
Optimizing Traffic Flow on Existing Street Networks, TE2:May 71:353:8135

Labib, Aziz H.
See Taher Abu-Wafa, CE:Aug 71:64

Lacey, A. M.
Household Weekly Travel Patterns: A Potential Measure of Expressway Impact, Preprint No.1443, July 71

Lacey, Gerald
Dsc, HY9:Sept 70:1886:7497, of "Coordination of Mobile-Bed Hydraulics", HY6:Nov 69:1871:6884

Ladd, Charles C.
Standardization of Particle-Size Ranges, SM5:Sept 69:1247:6795
Dsc: Duane E. Edge, SM3:May 70:1077:7249; J. MacNeil Turnbull, SM3:May 70:1078:7249
Clo: SM1:Jan 71:244:7785
TR:136:219
See David J. D'Appolonia, SM10:Oct 71:1359:8438

Ladd, Donald M.
See Donald N. Brown, TE4:Nov 69:617:6874

Lae, James P., Jr.
See Richard E. Thomas, IR3:Sept 70:289:7538

Lagerquist, Dennis R.
Design Using Symbolic Topological Equations, with Steven J. Fenves, EM3:June 69:695:6624
TR:136:96

Lai, Robert Y.S.
See Lyle F. Mockros, EM3:June 69:629:6613

Laird, Alan D. K.
Eddy Formation Behind Circular Cylinders, HY6: June 71:763:8170
Dsc: Remy L. A. de Jong, HY12:Dec 71:2113: 8552

Laird, Max O.
Dsc, SU2:Sept 70:302:7501, of "Mapping for Changing Environment", SU1:Oct 69:35:6818

Laity, Lloyd S.
The Super Airport, Preprint No.1508, July 71

Lakshmana Rao, Nagar S.
Characteristics of Self-Aerated Flows, with Kyatsandra Seetharamiah and Thimmaiah Gangadharaiah, HY2:Feb 70:331:7055
Dsc: Michele Viparell and Marco Pica, HY2:Dec 70:622:7711
Clo: HY12:Dec 71:2077:8552
Effect of Channel Shape on Varied Flow Profiles, with Kalambur Sridharan, HY1:Jan 71:55:7796
Dsc: Subhash C. Jain, HY9:Sept 71:1562:8345
Limit Slope in Uniform Computations, with Kalamear Shridharan, HY1:Jan 70:95:7011
Dsc: Edward H. Wilson, HY8:Aug 70:1761:7439; Rupchand M. Advani and Pashupati N. Modi, HY8:Aug 70:1763:7439; Mohan M. Dandekar, HY9:Sept 70:1905:7497
Clo: HY4:Apr 71:581:8012
TR:136:398
Self-Aerated Flow Characteristics in Wall Region, with Thimmaiah Gangadharaiah, HY9:Sept 71: 1285:8359
Dsc, with Kalambur Sridharan, HY4:Apr 70:1093: 7189, of "Nondimensional Gradually Varied Flow Profiles", HY5:Sept 69:1671:6790
Dsc, with D. V. Chandrasekhara, HY10:Oct 70:2150: 7568, of "Linear Proportional Weirs", HY2:Feb 70: 379:7062
See M. V. Jagannadha Rao, IR3:Sept 70:371:7498
See M. V. Jagannadha Rao, IR4:Dec 71:656:8553

Lakshminarayanan, V.
See P. Srinivasan, TE2:May 70:165:7265

Lakshmipathy, M.
See A. R. Santhakumar, EM3:June 70:370:7309

Lal, Jagroshan
See Satya P. Garg, IR1:Mar 71:131:7969

Lamar, Fred W.
CE Students Learn Through Socially Useful Projects, CE:Jan 71:60

Lambe, T. William
Measured Performance of Braced Excavation, with L. Anthony Wolfskill and Ing H. Wong, SM3:May 70: 817:7307
TR:136:950
Reclaimed Land in Kawasaki City, Japan, SM5:Sept 69:1181:6780
TR:136:106
See David J. D'Appolonia, SM2:Mar 70:523:7167
See Hugh Q. Golder, SM3:May 70:801:7292
See David J. D'Appolonia, SM1:Jan 71:77:7807
See David J. D'Appolonia, SM6:June 71:881:8213
See David J. D'Appolonia, SM6:June 71:899:8215

Lamberton, Bruce A.
Revetment Construction by Fabriform Process, CO1: July 69:49:6677
TR:136:256

Lamberton, H. C., Jr.
South Florida Training Runway and Everglades National Park, CE:Apr 70:53
Errata: CE:July 70:67
TR:136:350

LaMotta, Enrique
See James C. Brown, SA2:Apr 71:209:8054

Lance, Richard H.
Plastic Analysis of a Plate Sealing a Fluid, with David N. Robinson, EM6:Dec 70:1183:7742
TR:136:1318

Lane, Leonard J.
See Roger E. Smith, HY5:May 71:749:8081

Lane, Neil W.
Dsc, ST5:May 70:1005:7250, of "Deep Slabs Subjected to Static and Blast Loading", ST11:Nov 69:2449:6919

Lang, Edmund H.
Dsc, TE1:Feb 70:119:7048, of "Economic Location of Locks", TE1:Feb 69:77:6397

Lang, Martin
New York City Wastewater System Management, CWFE:Mar 71:53

Langer, R. M.
Dsc, WW4:Nov 70:859:7645, of "Dynamics of Ship Anchor-Lines in Waves and Currents", WW4:Nov 64:449:6888

Langfelder, Jay
Settlement of Two Tanks on Loose Cohesionless Soil, with David W. Johnston, 4PCSM:pp.15-25, 1971

Langfelder, Leonard J.
Coastal Erosion in North Carolina, with Donald B. Stafford and Michael Amein, WW2:May 70:531:7306
Dsc: Richard Silvester, WW1:Feb 71:227:7868
Clo: WW4:Nov 71:761:8488
Dsc, with John H. Brewer, SM3:May 70:1081:7249, of "Foundation Study for Materials Test Structure", SM6:Nov 69:1431:6921

Langhaar, Henry L.
Stability of Hyperboloidal Cooling Tower, with Arthur P. Boresi, Robert E. Miller and Jerry J. Bruegging, EM5:Oct 70:753:7635
Dsc: Raphael F. Rish, EM4:Aug 71:1297:8266

Langham, Edward J.
New Approach to Hydrologic Data Acquisition, HY12:Dec 71:1965:8578

Langlois, Emile
Moment-Resistance Connections in Precast Concrete, with Joseph Menec, Jr., ST12:Dec 69:2723:6947
Dsc: Kashi T. Krishnaswamy and Ashok A. Khandekar, ST2:Feb 71:719:7867
TR:136:1108

LaPay, William S.
Optimum Design of Trusses for Ultimate Loads, with George G. Goble, ST1:Jan 71:157:7838
Dsc: Alan D. Russell and Kenneth F. Reinschmidt, ST9:Sept 71:2437:8348

LaQue, Francis L.
Factors Affecting Durability of Ferrous Metals in the Atmosphere, ST11:Nov 69:2385:6890
TR:136:344

Lareal, P.
See J. Gielly, SM2:Feb 71:708:7866

Larew, H. Gordon
See Kenan Atakol, SM2:Mar 70:705:7186

Larock, Bruce E.
Gravity-Affected Flow from Planar Sluice Gatel, HY4:July 69:1211:6674
Dsc: M. H. Abdul Khader, HY4:Apr 70:1050:7189
Clo: HY10:Oct 70:2121:7568
TR:136:162

Larras, Jean A.
Dsc, HY6:June 70:1368:7310, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891

Larsen, Harold Theodore
Memoir of, TR:136:1352

Larsen, Stanford
See Charles Seim, Preprint No.1352, Jan 71
See Charles Seim, Preprint No.1402, Apr 71

Larson, Curtis L.
Dsc, HY8:Aug 70:1771:7439, of "Channel Slope Effect on Peak Discharge of Natural Streams", HY2:Feb 70:307:7052

Larson, Lee W.
See Paul A. Rechard, Preprint No.1306, Jan 71
See Paul A. Rechard, HY9:Sept 71:1427:8386

Larson, Thurston E.
See Frank W. Sollo, Jr., NSCD:pp.245-267, 1971

Larson, W.
See Allan H. Wern, PO2:Mar 71:539:7992

Lashkari, Mehran
The Effect of Lateral Pressure on Natural Frequencies of Hyperboloidal Shells of Revolution, with Victor I. Weingarten and David S. Margolias, Preprint No.1390, Apr 71

Lathrop, William H., Jr.
San Francisco Freeway Revolt, TE1:Feb 71:133:7876

Latif, Abdul
Investigation of Brahmaputra River, HY5:Sept 69:1687:6793
Dsc: Richard Silvester, HY4:Apr 70:1094:7189; T. R. Chandrasekhara, HY6:June 70:1363:7310; Anthony Rylands Thomas, HY7:July 70:1623:7384; Gordon R. Williams, HY8:Aug 70:1727:7439
Clo: HY3:Mar 71:451:7940
TR:136:235

Lau, L. Stephen
See Doak C. Cox, HY12:Dec 71:2095:8552

Laura, Patricio A.
Buckling of Rhombic Plates, with Joseph Grosson, TN: EM1:Feb 71:145:7858
Dsc, EM5:Oct 71:1587:8406, of "Buckling and Vibrations of Polygonal and Rhombic Plates", EM2:Apr 71:305:8030
Dsc, with Mario Maurizi, EM5:Oct 71:1588:8406, of "Flexural Vibrations of Rectangular and Other Polygonal Plates", EM2:Apr 71:391:8038

Laurenson, Eric M.
Data Error Effects in Unit Hydrograph Derivation, with Terence O'Donnell, HY6:Nov 69:1899:6887
Dsc: Krishan P. Singh, HY7:July 70:1633:7384; James C.I. Dodge and Brian J. Garvey, HY9:Sept 70:1888:7497
TR:136:861

Laursen, Emmett M.
Bridge Backwater in Wide Valleys, HY4:Apr 70:1019:7246
TR:136:748

XUM

Bridge Design Considering Scour and Risk, TE2:May 70:149:7262
TR:136:432
Dsc, HY9:Sept 70:1923:7497, of "Risks in Hydrologic Design of Engineering Projects", HY4: Apr 70:959:7229

Law, C. E.
The Canadian Institute of Guided Ground Transport, with C. A. Curtis, Preprint No.1465, July 71

Law, E. Harry
Analysis of the Nonlinear Dynamics of Railway Vehicle Wheelset, with Ronald S. Brand, Preprint No.1427, July 71

Lawrence, Alonzo W.
Unified Basis for Biological Treatment Design and Operation, with Perry L. McCarty, SA3:June 70: 757:7365
Dsc: R. H. Siddiqi, SA1:Feb 71:127:7865; Richard I. Dick and Ali R. Javaheri, SA2:Apr 71:234: 8013
Clo: SA6:Dec 71:930:8555
Dsc, with Thomas R. Milnes, SA1:Feb 71:121:7865, of "Role of Activated Sludge Final Settling Tanks", SA2:Apr 70:423:7231

Lawrence, Ray Ellsworth
Memoir of, TR:136:1353

Lawson, John D.
Dsc, with Robin P. Curtis, HY7:July 70:1632:7384, of "Nonlinear Flow in Porous Media", HY6:Nov 69:1847:6883

Lawton, Frederic L.
Dsc, PO1:Jan 71:259:7784, of " River Diversion for Boundary Dam", PO3:June 70:319:7339
Dsc, PO1:Jan 71:261:7784, of "Design of Carters Pumped Storage Project", PO3:June 70:383:7353
Dsc, PO1:Jan 71:263:7784, of "Properties and Steel Tunnel Liners", PO3:June 70:4115:7357

Lay, Maxwell
Dsc, ST2:Feb 70:437:7047, of "Rotation Capacity of Beams Under Moment Gradient", ST6:June 69: 1173:6599

Layton, R. F.
A New Analytical Method for Ozone, with Riley N. Kinman, NSCD:pp.285-305, 1971

Lazar, Benjamin E.
Dsc, ST7:July 71:2031:8225, of "Full-Size Lightweight Concrete Column4", ST2:Feb 71:495: 7903
Dsc, ST10:Oct 71:2631:8411, of "Analysis of Cable-Stayed Girder Bridgev", ST5:May 71:1481:8116

Leaf, Charles F.
Sediment Yeilds from Central Colorado Snow Zone, HY1:Jan 70:87:7006
Dsc: George Fleming, HY8:Aug 70:1760:7439
Clo: HY2:Feb 71:350:7863
TR:136:389

Leclerc, Guy
See David H. Marks, HY4:Aug 71:541:8269

Ledbetter, William B.
See Alvin H. Meyer, SA5:Oct 70:1167:7624

Lee, Charles E.
On Wave Damping in Harbors, WW4:Nov 68:489: 6241
Dsc: Yin-Ben Dai, WW4:Nov 69:595:6869
Clo: WW3:Aug 70:725:7443
TR:136:1107

Lee, Chesman A.
Designing Launders for Settling Tanks, CE:Aug 71: 69

Lee, Dong W.
Nonlinear Behaviour of Reinforced Concrete Folded Plate Structures, with John E. Breen, Preprint No.1411, Apr 71

Lee, Douglass B., Jr.
Analysis of BART Impacts on Bay Area Land Use, Preprint No.1431, July 71

Lee, G. Fred
See Patrick L. Brezonik, SA5:Oct 69:929:6850

Lee, George C.
See Barna A. Szabo, EM3:June 69:571:6608
See Bertrand T. Chung, ST7:July 71:1927:8259

Lee, Hae
See Vernon H. Neubert, EM1:Feb 70:69:7099

Lee, Han-Chow
See August J. Durelli, ST8:Aug 69:1713:6739

Lee, Henry W. L.
Large Deflections of Curved Plates, with Conrad P. Heins, Jr., ST4:Apr 71:1143:8045

Lee, Ian K.
Structure And Foundation Interaction Theory, with Howard B. Harrison, ST2:Feb 70:177:7059
Dsc: Ami Glassman, ST10:Oct 70:2242:7570
Clo: ST4:Apr 71:1357:8015
TR:136:827
Dsc, SM3:May 70:1065:7249, of "Model Study of Passive Pressure in Sand", SM4:July 69:969:6655

Lee, James H.
Effect of Surface Coatings and Exposure on Slip, with Colin O'Connor and John W. Fisher, ST11: Nov 69:2371:6889
TR:136:337

Lee, Jiin-Jen
Resonance in Harbors of Arbitrary Shape, with Fredric Raichlen, 12 CEC:pp.2163-2180, 1971

Lee, Kenneth L.
Comparison of Plane Strain and Triaxial Tests on Sand, SM3:May 70:901:7276
Dsc: Shunsuke Takagi Tanagi, SM6:Nov 70:2163: 7643; T. Ramamurthy and P. C. Rawat, SM2: Feb 71:489:7866
Clo: SM9:Sept 71:1340:8347
TR:136:910
Relative Density and Relative Compaction, with Awtar Singh, TN: SM7:July 71:1049:8264
Strength of Anisotropically Consolidated Compacted Clay, with Ross A. Morrison, SM6:Nov 70:2025: 7703
Dsc: Ravikumar Bhaskaran, SM8:Aug 71:1128: 8270
Strength of Compacted Clay at High Pressure, with Steven C. Haley, PISST:pp.345-374, 1971
Dsc: T. S. Ramanatha Iyer, PISST:Aug 71:374
Clo: PISST:pp.378-378, 1971
Undrained Strength of Anisotropically Consolidated Sand, with H. Bolton Seed, SM2:Mar 70:411:7136
Dsc: Ravikumar Bhaskaran, SM1:Jan 71:249:7785
Clo: SM8:Aug 71:1123:8270
TR:136:786
Undrained Strength of Compacted Clay, with Robert J. Shubeck, SM1:Jan 71:219:7833
Dsc: Ravikumar Bhaskaran, SM10:Oct 71:1503: 8410
See H. Bolton Seed, SM6:Nov 69:1453:6906

Lee, Kwang K.
Computation for Circulation in Stratified Lakes, with James A. Liggett, HY10:Oct 70:2089:7634
TR:136:1271
See James A. Liggett, HY1:Jan 71:15:7793

Lee, Lawrence H.N.
See James C. Hayes, EM6:Dec 70:1107:7765
See Raouf A. Ridha, EM3:June 71:773:8198

Lee, Nelson N.
See George F. Horowitz, HY5:May 71:677:8110

Lee, Robert H.
See John E. Goldberg, EM5:Oct 68:1127:6181

Lee, Seng-Lip
See Phillip L. Gould, EM.5:Oct 69:1083:6820

Lee, Theodore T.
Estuary Inlet Channel Stabilization Study Using A Hydraulic Model, 12CEC:pp.1117-1136, 1971
Dsc, BMS:p.206, 1971, of "Full Scale Observation of Berthing Impacts: Their Interpretation", BMS: pp.203-205, 1971

Lee, Thomas N.
See Robert E. Stewart, SA4:Aug 71:485:8340

Lee, William C.
The Effect of Solids on Sewage Disinfection, with D. H. Waller, NSCD:pp.203-222, 1971

Lee, Y. C.
See Stanley J. Jarecki, PO4:Dec 71:817:8587

Leffler, Robert E.
See Ronald W. Frost, SM2:Feb 71:509:7913

Legget, Robert F.
Controlling Fires in Tall Buildings, CE:Nov 71:63
Dsc, SM9:Sept 71:1347:8347, of "Caisson Construction Problems and Correction in Chicago", SM2:Feb 71:417:7934

Leicester, Robert H.
Southwell Plot for Beam-Columns, EM6:Dec 70:945: 7750
TR:136:1260

Leimbach, Karl-Robert
Free Vibration of Two-Dimensional Frameworks, with Donald McDonald, ST2:Feb 70:267:7082
TR:136:558

Leininger, Kurt V.
Dsc, CE:Mar 71:56, on Is Technology Relevant?, CE: Oct 70:44

Leite, J. Gervasio A. F.
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LeMehaute, Bernard
A Comparison of Fluvial and Coastal Similitude, 12CEC:pp.1077-1096, 1971

Lemieux, Pierre F.
Variational Principle in Fluid Dynamics, with Tharakkal E. Unny, Jr. and R. N. Dubey, EM6:Dec 70:1031:7731
Errata: EM5:Oct 71:1559:8406
TR:136:1252

LeMoal, Gerald A.
See Michael Sargious, TE4:Nov 71:579:8492

Lenau, Charles W.
Seepage Under Structure on Four Soil Strata, EM2: Apr 71:223:8058
See Allen T. Hjelmfelt, HY7:July 70:1567:7430

Lenoe, Edward M.
Testing and Design of Advanced Composite Materials, EM6:Dec 70:809:7729
TR:136:1304

Lenz, Arno T.
See Colby V. Ardis, HY1:Jan 69:383:6365

Lenz, Robert G.
Suction Wells Dewater Large Construction Site, CE: Feb 70:40
TR:136:175

Leon, George F.
Intersecting Titanium Spheres for Deep Submersibles, EM3:June 71:981:8219

Leonard, George Kinney
Memoir of, TR:136:1354

Leonard, H. Jack
Benefits from TOPICS-type Improvements, CE:Feb 71:62

Leonard, John W.
Dynamic Response of Initially-Stressed Membrane Shells, EM5:Oct 69:1231:6859
Errata: EM5:Oct 70:791:7574
TR:136:822

Leonard, R. S.
See C. B. Brown, Preprint No.1388, Apr 71

Leonards, Gerald S.
Dsc, with Adolph G. Altschaeffl, SM1:Jan 71:269: 7785, of "Evolution of Tidewater Port", WW2:May 70:387:7287

Leong, Tuck Wah
Creep and Shrinkage in Reinforced Concrete Beams, with Robert F. Warner, ST3:Mar 70:509:7150
TR:136:607

Leonhardt, Fritz
Dsc, ST6:June 70:1243:7314, of "Diagonal Tension Cracking in Concrete Beams with Axial Forces", ST9:Oct 69:1887:6776

Leppke, D. M.
Construction Of Multibarrier Containment Vessels, with C. Alexander and Robert S. Webb, CO1:Mar 71:53:8002
Dsc: Robert E. Shewmaker, CO2:Nov 71:344: 8482

Leps, Thomas M.
Review of Shearing Strength of Rockfill, SM4:July 70:1159:7394
Dsc: Thomas F. Thompson, SM1:Jan 71:277: 7785; Raul J. Marsal, SM3:Mar 71:590:7943; Don C. Banks and Bruce N. Mac Iver, SM5: May 71:791:8083; George F. Sowers, SM5:May 71:794:8083
Clo: SM12:Dec 71:1706:8556

Le Sciellour, Guy F.
See Jean J. Janin, CO1:June 70:61:7382

Lesleighter, Eric J.
Dsc, HY6:June 70:1369:7310, of "Fluctuating Pressures in Spillway Stilling Basins", HY6:Nov 69: 2071:6915

Leu, Keh-Chum
See Gunnar A. Harstead, ST10:Oct 68:2371:6173

Leung, Paul
Power Plant Cycles for Dry Cooling Towers, with Raymond E. Moore, PO4:Dec 71:729:8565
Water Consumption Study for Navajo Plant, with Raymond E. Moore, PO4:Dec 71:749:8564

Leung, Y. W.
Dsc, with D.J. Laurie Kennedy, ST12:Dec 71:2900: 8557, of "Eccentrically Loaded Bolted Connections", ST3:Mar 71:765:7956

Leutheusser, Hans J.
Experiments on Plane Couette Flow, with Vincent H. Chu, HY9:Sept 71:1269:8367
See Viswanathan C. Kartha, HY7:July 70:1469:7415

XUM

LeVere, Richard C.
High-mount Interchange Lights, CE:May 71:44

Levi, Enzo
Dsc, HY3:Mar 71:465:7940, of "136", HY7:July 70:1403:7399

Levinson, Mark
Dsc, EM6:Dec 71:1756:8551, of "Nonconservative Stability by Finite Element", EM3:June 71:645:8204

Levy, Roy
Random Processes for Earthquake Simulation, with Frank Kozin and Robert B.B. Moorman, EM2:Apr 71:495:8057
Dsc: Ross B. Corotis, EM5:Oct 71:1591:8406

Lewis, Edward P.
Dsc, CE:Mar 70:42, on Black People Call for ASCE Social Action, CE:Dec 69:73

Lewis, L. Lawrence
See Schaefer J. Dixon, CE:June 70:56

Lewis, Lyle E.
See Eugene A. Miller, SM5:Sept 70:1817:7499
See Eugene A. Miller, PISST:pp.226-229, 1971

Li, Mo C.
Symposium on Traffic Assignment Methodology, Preprint No.1460, July 71
Topics Fund Apportionment Formula, Preprint No.1459, July 71

Li, Shu-t'ien
Ultimate Energy Design of Prestressed Concrete Fender Piling, with Venkataswamy Ramakrishnan, WW4:Nov 71:647:8527
Dsc, CE:Sept 71:72, on Engineering-Architecture Interprofessional Practice, CE:Apr 71:37

Liang, Rex K.
Design Conduit System By Dynamic Programming, CO1:Mar 71:383:7998
Dsc: Mark H. Jordan, CO2:Nov 71:342:8482

Liang, Tung
Design Conduit System by Dynamic Programming, HY3:Mar 71:7988
Dsc: John A. Roberson and Donald L. Bender, HY12:Dec 71:2106:8552
See I-pai Wu, IR3:Sept 70:319:7543

Liang, Wen S.
See Clifford D. Smith, IR4:Dec 69:493:6954

Liao, Cheng-Sun
See Ju-Chang Huang, SA5:Oct 70:1057:7603

Libby, James R.
Dsc, CE:May 71:52, on Positive Moment and Inflection Points for Continuos and Fixed Beams, CE:Dec 70:30
Dsc, CE:Aug 71:38, on Epoxy Injections Repair Historic Prestress Concrete Bridge, CE:Mar 71:39

Liebman, Jon C.
Dsc, with Earl D. Brill, Jr., SA5:Oct 71:786:8409, of "Optimization in Design of Hydraulic Network", SA2:Apr 71:141:8032
See David H. Marks, UP1:Mar 70:81:7164
See David H. Marks, SA1:Feb 71:130:7865
See David H. Marks, UP1:Apr 71:15:8027

Liggett, James A.
Cell Method for Computing Lake Circulation, HY3:Mar 70:725:7152
Dsc: Chun-Tsung Wang, HY8:Aug 70:1777:7439
Clo: HY10:Oct 71:1754:8407
TR:136:1239
Properties of Circulation in Stratified Lakes, with Kwang K. Lee, HY1:Jan 71:15:7793
Dsc, HY1:Jan 70:292:6988, of "One-Dimensional Equation of Open-Channel Flow", HY3:May 69:861:6557
See Kwang K. Lee, HY10:Oct 70:2089:7634
See Yu Leuk Choi, Preprint No.1295, Jan·71

Lightfoot, Edgar
Dsc, ST9:Sept 70:1968:7567, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824

Lill, Richard A.
Technology and Intercity Trucking, Preprint No.1442, July 71

Limpert, Fred A.
Data Retrieval on Thermal Pollution, CE:Nov 70:53
TR:136:1033

Lin, Anching
Dsc, HY10:Oct 71:1781:8407, of "Effect Of Side Walls On Flow Past Bluff Bodies", HY1:Jan 71:65:7788

Lin, Cheng-nan
See John S. Gladwell, HY1:Jan 71:207:7783

Lin, Chi-Wen
Nonsymmetric Vibrations of Thin Cylindrical Shells, ST10:Oct 70:2175:7632
Dsc: Salman H. Abu-Sitta, ST4:Apr 71:1378:8015; Paul Seide, ST4:Apr 71:1380:8015; Geoffrey B. Warburton, ST5:May 71:1648:8084
Clo: ST12:Dec 71:2889:8557

Lin, Fung J.
Behavior of Laced and Battened Structural Members, with Ernst C. Glauser and Bruce G. Johnston, ST7:July 70:1377:7404
TR:136:980

Lin, Pang-Mou
See Yuan Jen, 12CEC:pp.1469-1490, 1971
See Yuan Jen, WW3:Aug 71:567:8342

Liu, Tse Wen
Equivalent Ultimate Axial Load for Reinforced Concrete Column Under Biaxial Bending, CE:June 70:69
TR:136:495

Lin, Tung D.
Thermal Stresses in Multilayer Anisotropic Shells, with D. E. Boyd, EM3:June 71:829:8206

Lin, Yen-Kuang
See Donald H. Gray, Preprint No.1311, Jan 71

Lind, Niels C.
Consistent Partial Safety Factors, ST6:June 71:1651:3166
See Om Dutt, ST6:June 70:1061:7330
See Kenneth W. Neale, EM5:Oct 70:711:7610

Lindell, James E.
See Wallis S. Hamilton, HY6:June 71:805:8195

Linsley, Ray K.
Dsc, HY4:Apr 70:1100:7189, of "Urban Runoff by Road Research Laboratory Method", HY6:Nov 69:1809:6878
See Stephen J. Burges, HY7:July 71:977:8227
See Alan M. Lumb, HY7:July 71:1065:8232

Linzing, Walter D.
Dsc, CO2:Nov 71:330:8482, of "Control of Quality-A System", CO2:Oct 70:119:7576

Lippoth, Walter
Dsc, ST8:Aug 71:2145:8271, of "Horizontal Thermal Movement of Curved Bridge Decks", ST10:Oct 70:2037:7590

XUM

Lipson, Samuel L.
Cost Optimization of Structural Roof System, with Alan D. Russell, ST8:Aug 71:2057:8291

Litle, William A.
See Leroy Z. Emkin, ST1:Nov 70:2373:7689

Liu, Chih C.
See Lawrence N. Kuzminski, NSCD:pp.85-111, 1971

Liu, Henry
Integrating-Float Measurements at Low Velocities, with Larry D. Martin, HY1:Jan 70:143:7027
TR:136:423
Integrating-Float Measurements in Turbulent Flows, with Charles D. Morris, HY2:Feb 70:565:7101
TR:136:590
Wind-Induced Circulation in Shallow Water, with Himerio J. Perez, HY7:July 71:923:8235
Dsc, HY12:Dec 70:2668:7711, of "Work-Energy Equation for the Streamline", HY5:May 70:1179:7300

Liu, Oscar C.
Viral Pollution and Depuration of Shellfish, NSCD:pp.397-428, 1971

Liu, Shih-Chi
Dynamics of Correlated Random Pulse Trains, EM4:Aug 70:455:7490
TR:136:979
Earthquake Interaction by Fast Fourier Transform, with Lawrence W. Fagel, EM4:Aug 71:1223:8324
Dsc, EM2:Apr 71:580:8011, of "Probabilistic Response Analyses to Earthquakes", EM3:June 70:207:7321

Lively, Lawrence D.
See Marion R. Scalf, SA5:Oct 69:817:6817

Liver, Norman L.
Tension Piles and Diagonal Tie-Backs, CO1:July 69:107:6692
TR:136:1124

Livesey, Robert H.
Influences of Sedimentation on Water Quality: An Inventory of Research Needs, HY8:Aug 71:1203:8325

Livneh, Moshe
Dsc, with Jacob Greenstein and Elisha Shklarsky, SM10:Oct 71:1491:8410, of "Bearing Capacity of Footings on Anisotropic Soils", SM6:Nov 70:1967:7677

Lo, Mei Ban
Dsc, SM1:Jan 70:317:6989, of "Time Dependent Deformation of Normally Consolidated Clays and Peats", SM1:Jan 69:1:6337

Lobb, Verl
Bolted Joints Under Sustained Loading, with Floyd Stoller, ST3:Mar 71:905:7996
Dsc: Geoffrey D. Base, C. Christopher Simpson, Lewis C. Schmidt, Donald S. Mansell and Leonard K. Stevens, ST12:Dec 71:2920:8557

Lobdell, Herbert L.
Settlement of Buildings Constructed in Hackensack Meadows, SM4:July 70:1235:7398
TR:136:1070

Locatelli, J. D.
See P. V. Hobbs, Preprint No.1341, Jan 71

Loder, Robert T.
Wells Hydroelectric Project Fish Facilities, with Michael W. Erho, PO2:Mar 71:301:7982
See James G. Patrick, CE:Oct 70:61

Loesing, Norman R.
See John H. McGavock, CO1:Mar 71:17:7990

Loewy, Eric
Model Tests and Studies For Port Rashid, Dubai, 12CEC:pp.1137-1149, 1971

Lofthus, Clayton E.
See Jack I. Nicholls, ST11:Nov 71:2769:8485

Logan, John
Dsc, IR3:Sept 71:536:8346, of "Safe Yield of Aquifers: An Economic Reformulation", IR4:Dec 70:377:7719

Logcher, Robert D.
See Aldo Cella, ST1:Jan 71:175:7845
See Joseph M. Sussman, ST1:Jan 71:425:7844

Lohrmann, M.
See E. F. Roberts, CE:Dec 71:64

Lokken, Edwin C.
Concrete Median Barrier Safely Redirects Impacting Vehicles, CE:Oct 71:77

Londe, Pierre
Stability of Rock Slopes-Graphical Methods, with Gaston Vigier and Raymond Vormeringer, SM4:July 70:1411:7435
Clo: SM6:June 71:927:8158
TR:136:1039

Long, Richard P.
Dsc, with Kent A. Healy, IR4:Dec 71:651:8553, of "Control of Sediment Flow Into Subsurface Drains", IR4:Dec 70:437:7751

Longworth, Jack
Dsc, ST10:Oct 71:2625:8411, of "Design of Laterally Unsupported Timber Beams", ST3:Mar 71:881:7995

Loo, Yew-Chaye
Dsc, with Anthony R. Cusens, ST8:Aug 70:1848:7442, of "Folded Plate Structures by Finite Strip Method", ST12:Dec 69:2963:6985

Lopes, R.
See Michael M.K. Ho, SM3:May 69:791:6554

Lo Pinto, Victor J.
Dsc, SM1:Jan 70:361:6989, of "Field Studies of Response of Peat to Plate Loading", SM4:July 69:949:6652

Lording, Patrick T.
Armor Stability of Overtopped Breakwater, with John R. Scott, WW2:May 71:341:8138

Lorgere, Henri
See Dino Zanobetti, WW2:May 70:181:7259

Losberg, Anders
See Lennart Elfgren, ST2:Feb 71:729:7867
See Lennart Elfgren, ST3:Mar 71:995:7944

Lott, James L.
See Joseph P. Callahan, ST10:Oct 70:2021:7579

Lott, John F.
Three-Dimensional Inelastic Subassemblage Design, with S. Unnikrishna Pillai and John S. Ellis, ST5:May 71:1445:8108

Loucks, Daniel P.
See Moshe Gablinger, HY1:Jan 70:165:7031

Louie, David S.
Mossyrock Arch Spillway, PO1:Jan 71:39:7792
Trash Rack Studies - Seneca Pumped-Storage Plant, with Arthur E. Allen, Preprint No.1284, Jan 71

Lovell, Edward G.
Cylindrical Shell Under Sudden PressurizatioS, EM6:Dec 70:1229:7776
TR:136:1331

Lovera, Frederico
Friction-Factors for Flat-Bed Flows in Sand Channels, with John F. Kennedy, HY4:July 69: 1227:6678
Dsc: Ramachandra J. Garde and K. G. Ranga Raju, HY4:Apr 70:1052:7189; Rolf Kellerhals, HY4:Apr 70:1056:7189; Thomas Blench, HY4: Apr 70:1057:7189
Clo: HY12:Dec 70:2613:7711
TR:136:188

Low, Dana E.
Revolution in Urban Highway Planning, ASCE Committee on Highway Planning and Economics of the Highway Division, TE1:Feb 71:145:7916
See Austin E. Brant, Jr., 1971
See Daniel S. Horgan, Preprint No.1494, July 71

Lowe, John, III
Controlled Gradient Consolidation Test, with Ernest Jonas and Vladimir Obrician, SM1:Jan 69:77:6327
Dsc: Rakhishwar N. Bhasin, SM6:Nov 69:1574: 6894; Carlo Viggiani, SM6:Nov 69:1574:6894; Dalim K. Majumdar and Joseph J. Kalinoski, SM1:Jan 70:307:6989
Clo: SM5:Sept 70:1789:7499
TR:136:1

Lowery, Lee L., Jr.
See Thomas C. Edwards, ST7:July 69:1431:6663

Lu, Le-Wu
See Joseph A. Yura, ST10:Oct 69:2243:6840
See Eugene L. Sheninger, ST3:Mar 70:573:7159
See Lynn S. Beedle, Preprint No.1553, Oct 71

Lubina, Allen F.
Pavement Design and Staging for Mayan Roads, with Robert N. Panfill, TE4:Nov 71:651:8516

Luce, Charles F.
Coordinated Land and Water Planning Proposed to Avoid Killing of Projects, CE:May 71:75
Dsc: Amos Roos, CE:Oct 71:80

Luck, Gunter
Observation of Sedimentmotion by Underwater-Television, 12CEC:pp.687-708, 1971

Luco, Juan E.
Dynamic Response of Circular Footings, with Russell A. Westmann, EM5:Oct 71:1381:8416

Ludwig, Harvey F.
Management and Regulations for the Future, CWFE: Mar 71:111

Ludwig, K.
Dsc, PO3:June 70:488:7312, of "Tolerable Settlements of Steam Turbine-Generators", PO2: Oct 69:227:6841

Luebke, Robert W.
Freight Transportation Vibration Environment, Preprint No.1500, July 71

Luft, Rene W.
Automatic Generation of Finite Element Matrices, with Jose M. Roesset and Jerome J. Connor, ST1: Jan 71:349:7841

Lui, Rogers
See James J. Browne, Preprint No.1495, July 71

Luik, Rein
See R. J. Melosh, ST11:Nov 68:2581:6220

Lukas, Donald E.
See Donald R. Sherman, ST2:Feb 70:335:7090

Lukey, A. F.
Rotation Capacity of Beams Under Moment Gradient, with Peter F. Adams, ST6:June 69:1173: 6599
Dsc: Maxwell Lay, ST2:Feb 70:437:7047; Ganpat S. Pandit, ST3:Mar 70:732:7116
Clo: ST9:Sept 70:1965:7567
TR:136:119

Lumb, Alan M.
Hydrologic Consequences of Rainfall Augmentation, with Ray K. Linsley, HY7:July 71:1065:8232

Lumb, Peter
Dsc, ST4:Apr 70:858:7191, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389: 6667

Lumley, J. L.
See W. K. George, Preprint No.1345, Jan 71

Lummis, Jordan
Designing Power Lines for Flexible Supports, with Robert A. Fiss, Preprint No.1362, Apr 71

Lundgren, Harry R.
Buckling of Multilayer Plates by Finite Elements, with Ahmed E. Salama, EM2:Apr 71:477:8051
Dsc: Robert D. Cook, EM6:Dec 71:1745:8551

Lundgren, Raymond
See Samuel H. Clark, PP1:Sept 70:93:7560

Lutes, Loren D.
Equivalent Linearization for Random Vibration, EM3:June 70:227:7333
TR:136:598

Luthin, James N.
Displacement Front Under Ponded Leaching, with Pedro Fernandez Fernandez, B. Maslov, J. Woerner and F. Robinson, IR1:Mar 69:117:6446
TR:136:4
See Jaime Ortiz, IR3:Sept 70:257:7530

Lutz, Francis C.
See Michael D. Disko, 12CEC:pp.1847-1866, 1971

Lux, Donald G.
Construction Course for Junior High Schools, with Willis E. Ray, CE:May 71:37

Lyddan, Robert H.
National Mapping for Urban Areas, SU2:Sept 70:143: 7520
TR:136:849
Topographic Maps for Construction Planning, SU1: Apr 70:51:7221
Errata: SU1:May 71:142:8085
TR:136:762

Lynn, Paul P.
Free Transverse Vibration of Flat Slabs, with Nahit Kumbasar, EM1:Feb 69:255:6425
TR:136:727

Lynn, Walter R.
See Richard M. Shane, HY1:Jan 69:161:6329

Lyon, Walter A.
Water and Health-Are We Concerned Enough?, SA5: Oct 70:1147:7595
Dsc: Robert L. McFall, SA3:June 71:389:8157; John M. Henderson, SA4:Aug 71:531:8269

Lysmer, John
Finite Dynamic Model for Infinite Media, with Roger L. Kuhlemeyer, EM4:Aug 69:859:6719
Dsc: Milos Novak, EM2:Apr 70:186:7188
Clo: EM1:Feb 71:129:7862
TR:136:192

XUM

Limit Analysis of Plane Problems in Soil Mechanics, SM4:July 70:1311:7416
Errata: SM5:May 71:807:8083
TR:136:1005
See Lymon C. Reese, Preprint No.1565, Oct 71

Lysne, Dagfinn K.
Movement of Sand in Tunnels, HY6:Nov 69:1835:6880
Dsc: Charles R. Neill, HY5:May 70:1224:7248; Bent A. Christensen, HY8:Aug 70:1728:7439
Clo: HY2:Feb 71:341:7863
TR:136:263

Lytton, Robert L.
Stiffened Mats on Expansive Clay, with Kirby T. Meyer, SM7:July 71:999:8265

Macagno, Enzo O.
Dsc, HY12:Dec 70:2669:7711, of "Work-Energy Equation for the Streamline", HY5:May 70:1179:7300
Dsc, EM6:Dec 71:1748:8551, of "Directional Analysis in Model Design", EM2:Apr 71:519:8053

Macander, Aleksander
See Israel Resnick, CO1:June 70:45:7367

MacCready, Paul B., Jr.
Arizona Weather Modification Research Program, IR2:June 70:103:7324
TR:136:747

MacDonald, Thomas C.
Energy Dissipators for Large Culverts, HY6:Nov 69:1941:6893
Dsc: Frederic T. Mavis, HY4:Apr 70:1103:7189; T. R. Chandrasekhara, HY8:Aug 70:1748:7439; Dah-Cheng Woo, HY9:Sept 70:1899:7497
Clo: HY6:June 71:853:8155
TR:136:514

MacFarlane, I. C.
See J. B. Forrest, SM4:July 69:949:6652

MacGregor, James G.
See Peter F. Adams, ST9:Sept 70:1861:7505

Mac Iver, Bruce N.
See Don C. Banks, SM5:May 71:791:8083

MacLeod, Iain A.
New Rectangular Finite Element for Shear Wall Analysis, ST3:Mar 69:399:6464
Dsc: Krishna M. Agrawal, ST9:Sept 69:2000:6755; Alexander Hrennikoff, ST10:Oct 69:2323:6803; Gordon M. Pole, ST1:Jan 70:140:6990; Carlos A. Felippa, ST1:Jan 70:143:6990; Ephraim Spira and Yehuda Sokal, ST8:Aug 70:1799:7442
Clo: ST3:Mar 71:955:7944
TR:136:48

Maddison, Donald
Application of an Airfield Surface System Model, Preprint No.1492, July 71

Maddock, Thomas, Jr.
Indeterminate Hydraulics of Alluvial Channels, HY11:Nov 70:2309:7696
Dsc: Brent D. Taylor, HY5:May 71:756:8081; Joe C. Willis, HY7:July 71:1149:8223; Mohammad Akram Gill, HY7:July 71:1154:8223; James P. Bennett, HY9:Sept 71:1533:8345
Dsc, HY4:Apr 70:1080:7189, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, HY6:June 70:1364:7310, of "Coordination of Mobile-Bed Hydraulics", HY6:Nov 69:1871:6884
Dsc, HY10:Oct 70:2123:7568, of "Friction Factors for Flow in Sand Bed Channels", HY6:Nov 69:1973:6900
Dsc, HY11:Nov 71:1904:8483, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Madhav, M. R.
Model for Machine-pile Foundation-soil System, with N. S.V. Kameswara Rao, TN: SM1:Jan 71:295:7787

Madison, Ronald B.
Fracture Analysis of King's Bridge, Melbourne, with George R. Irwin, ST9:Sept 71:2229:8377

Madkour, Mohamed F.
Rigorous Formulas for Effects of Weight Changes, SU2:Nov 71:173:8514
Rounds Versus Positions, SU1:Oct 69:151:6862
TR:136:679

Madrid, Marcos
See Richard E. Speece, SA4:Aug 71:433:8278

Madsen, Ole Secher
Waves Generated by a Piston-type Wavemaker, 12CEC:pp.589-607, 1971

Maevis, Alfred C.
See John M. Hayes, CE:Dec 71:63

Magoon, Orville T.
Effect of Long Period Waves on Hydrographic Surveys, with William O. Sarlin, 12CEC:pp.2251-2265, 1971
Dsc, WW1:Feb 71:218:7868, of "Harbor Study for San Nicholas Bay, Peru", WW2:May 70:251:7271

Mah, Gordon B. J.
Axisymmetric Finite Deflection of Circular Plates, EM5:Oct 69:1125:6832
Dsc: Robert Schmidt, EM3:June 70:373:7309
Clo: EM2:Apr 71:579:8011
TR:136:333
Matrix Method for Linear Response of Structures, EM5:Oct 69:1101:6831
TR:136:325

Mahajan, S. K.
Absolute Orientation of Photogrammetric Model, with Vijay Singh, SU2:Nov 71:237:8519
Explicit Approach to Exterior Orientation, SU2:Nov 71:251:8518

Mahapatra, Bijay C.
See Semih S. Tezcan, ST6:June 69:1257:6627

Mahig, J.
Variation in Vehicle Handling Characteristics Due to Driver Response Under Wind-Gust Loading, Preprint No.1425, July 71

Mahmood, Khalid
Dsc, HY10:Oct 71:1790:8407, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994

Mahmoodi, P.
Effect of Coating on Thermal Conductivity of Pipes, TE1:Feb 70:71:7102
TR:136:357
Structural Dampers, ST8:Aug 69:1661:6725
Dsc: Frederick C. Nelson, ST2:Feb 70:439:7047
Clo: ST8:Aug 70:1809:7442
TR:136:98

Mahoney, William M.
EHV-DC System Ties Los Angeles to Northwest, PO1:Jan 71:181:7851

Maise, George
Scaling Methods for Surface Aerators, SA5:Oct 70:1079:7605
TR:136:1287

XUM

Major, David C.
Dsc, SA5:Oct 69:951:6802, of "Conceptual Problems in Water Quality Economics", SA5:Oct 68:841:6149

Majtenyi, Steven I.
Dsc, SM5:May 71:815:8083, of "Nonlinear Analysis of Stress and Strain in Soils", SM5:Sept 70:1629:7513

Majumdar, Dalim K.
Dsc, with Joseph J. Kalinoski, SM1:Jan 70:307:6989, of "Controlled Gradient Consolidation Test", SM1:Jan 69:77:6327
Dsc, SM1:Jan 70:368:6989, of "Property Interrelationships in Sensitive Clays", SM4:July 69:1037:6666
Dsc, SM8:Aug 71:1136:8270, of "Caisson Construction Problems and Correction in Chicago", SM2:Feb 71:417:7934

Majumdar, Sauren N.G.
Tests on Steel-Frame, Shear-Wall Structures, with Peter F. Adams, ST4:Apr 71:1097:8031

Malcolm, David J.
Shear Lag in Stiffened Box Girders, with Richard G. Redwood, ST7:July 70:1403:7409
Dsc: Bharat L. Mehrotra, ST3:Mar 71:998:7944; Natarajan Krishnamurthy, ST4:Apr 71:1366:8015
Clo: ST11:Nov 71:2754:8485

Malhotra, Anil K.
Nondeterministic Analysis of Offshore Structures, with Joseph Penzien, EM6:Dec 70:985:7777
Dsc: Subrata Chakrabarti, EM3:June 71:1028:8154

Malhotra, Gurbachan P.
Dsc, HY7:July 71:1139:8223, of "Linear-Momentum Flux to Overbank Sections", HY9:Sept 70:1781:7517
See Eugene J. Aubert, Preprint No.1303, Jan 71

Malhotra, Sudershan
Anaerobic Digestion of Sludge Containing Iron Phosphate, with Thomas P. Parrillo and Alan Gene Hartenstein, SA5:Oct 71:629:8432

Maline, Winfred F.
Bactericidal Disinfectant Testing by Micromethods, with Theodore F. Wetzler and Lloyd G. Herman, NSCD:pp.307-318, 1971

Malone, David W.
Finite Elements and Dynamic Viscoelasticity, with Jerome J. Connor, EM4:Aug 71:1145:8293

Malter, Henry
Dsc, ST5:May 70:1003:7250, of "Buckling Loads of Nonuniform Columns", ST11:Nov 69:2419:6908

Mandel, Herbert M.
See Alfred Hedefine, ST11:Nov 71:2635:8529

Mandel, James A.
Stress Distribution in Castellated Beams, with Paul J. Brennan, Benjamin A. Wasil and Charles M. Antoni, ST7:July 71:1947:8260

Maner, Alfred W.
Progress in Asphalt Pavement Thickness Design, CE:Mar 70:39
TR:136:231

Mangan, George F., Jr.
An Overview of Contemporary Approaches and Concepts in Metropolitan Water Management, UWRM:p.75, 1971

Manheim, Marvin L.
Systematically Analyzing Transportation Alternatives, with Earl R. Ruiter, UTI:pp.207-241, 1971

Manitt, Phillip J.
See David Burgreen, EM2:Apr 69:421:6509

Mann, Dean E.
Public Policy Issues in Weather Modification, IR3:Sept 69:375:6772
TR:136:1218

Mann, John F., Jr.
Dsc, IR4:Dec 71:646:8553, of "Safe Yield of Aquifers: An Economic Reformulation", IR4:Dec 70:377:7719

Mann, Lawrence D.
Open Space Accessibility for Recreation, UP2:Dec 71:207:8607

Mann, Robert L.
See Robert G. Grant, EM5:Oct 71:1573:8406

Mann, Russell F.
See Herman Bouwer, Preprint No.1347, Jan 71

Mann, Theodore E.
Automation for Small Irrigation Projects, Preprint No.1289, Jan 71
Automation For Small Irrigation Projects, IR3:Sept 71:501:8344

Manowitz, Bernard
See Lawrence E. Kukacka, ST9:Sept 71:2217:8363

Mansell, Donald S.
See Geoffrey D. Base, ST12:Dec 71:2920:8557

Mansouri, A. H.
See J. Chinn, ST5:May 69:797:6539

Mansur, Charles I.
Mine Grouting to Control Building Settlement, with Marion C. Skouby, SM2:Mar 70:511:7166
TR:136:617
Pile Tests-Arkansas River Project, with Alfred H. Hunter, SM5:Sept 70:1545:7509
Dsc: P. J. Pise, SM5:May 71:810:8083; Fung Kee Chin, SM6:June 71:930:8158

Mantell, Murray I.
Dsc, PP1:Sept 70:144:7549, of "One Man's View of Registration Today", PP1:July 69:1:6653

Manthei, James M.
See John R. Baldwin, CO2:Nov 71:177:8501

Mar, Brian W.
Dsc, with Martin E. Harper, SA2:Apr 70:651:7190, of "Character of Sludge Drying", SA5:Oct 69:849:6833
Dsc, SA5:Oct 70:1292:7569, of "Optimal Reservoir Releases for Water Quality Control", SA3:June 70:727:7361
See Martin E. Harper, SA2:Apr 70:381:7222

Mara, David D.
Dsc, with David J.A. Williams, SA2:Apr 70:628:7190, of "Sulfide Production in Waste Stabilization Ponds", SA3:June 69:607:6637

Marathe, Madhav S.
Dsc, EM1:Feb 70:95:7044, of "Fracture Mechanism in Concrete: How Much do We Know?", EM3:June 69:531:6604

Marchman, James F., III
Wind Loading on Free-Swinging Traffic Signals, TE2:May 71:237:8140
Dsc: Alfred G. Burlbaugh, TE4:Nov 71:718:8486

Marecos, Jose
Field Observation of Tagus River Suspension Bridge, with Mario Castanheta and J. Teixeira Trigo, ST4: Apr 69:555:6492
Dsc: Robert H. Scanlan, ST10:Oct 69:2325:6803
Clo: ST4:Apr 70:845:7191
TR:136:675

Marek, Julius
See Paul V. Gump, ABS:pp.61-73, 1971

Marek, Pavel J.
Behavior of Continuous Crane Rails, with J. Hartley Daniels, ST4:Apr 71:1081:8067
Dsc: Robert W. Dannemann, ST12:Dec 71:2929:8557

Margolias, David S.
See Mehran Lashkari, Preprint No.1390, Apr 71

Markland, Eric
Dsc, IR4:Dec 71:656:8553, of "Free Overfall As Flow Measuring Device", IR1:Mar 71:73:7987
See Joseph A. Clark, HY10:Oct 71:1653:8459

Marks, David H.
Location Models: Solid Waste Collection Example, with Jon C. Liebman, UP1:Apr 71:15:8027
Mathematical Models of Location: A Review, with Charles S. ReVelle and Jon C. Liebman, UP1:Mar 70:81:7164
TR:136:926
Routing for Public Service Vehicles, with Robert Stricker, UP2:Dec 71:165:8573
Dsc, with Jon C. Liebman, SA1:Feb 71:130:7865, of "Optimal Routing of Refuse Collection Vehicles", SA4:Aug 70:893:7451
Dsc, with Guy Leclerc, HY4:Aug 71:541:8269, of "Water Reuse Systems Analysis", SA1:Feb 71:41:7898

Marsal, Raul J.
Effectiveness of Cutoffs in Earth Foundations and Abutments of Dams, with Daniel Resendiz, 4PCSM:pp.237-312, 1971
Dsc, SM3:Mar 71:590:7943, of "Review of Shearing Strength of Rockfill", SM4:July 70:1159:7394

Marsden, Howard J.
Regional Approach to Port Development Planning, WW1:Feb 71:33:7896

Marsden, Michael A.
See Edward R. Burroughs, Jr., Preprint No.1326, Jan 71

Marsh, Cedric
Aluminum Space Frame for Parque Anhembi, Sao Paulo, with Peter K. Kneen, Preprint No.1391, Apr 71

Marshall, Daniel P., Jr.
Replacement-Lock and Dam No. 26: Condition of Existing Structure, WW1:Feb 70:27:7097
Errata: WW1:Feb 71:213:7868
TR:136:477

Marshall, Duane W.
See Clifford W. Randall, SA2:Apr 70:395:7223

Marshall, Peter J.
Ultimate Biaxial Capacity of Boxed Steel Columns, with John S. Ellis, ST9:Sept 70:1873:7515
TR:136:1040

Marshall, Peter W.
Risk Evaluations for Offshore Structures, ST12:Dec 69:2907:6981
TR:136:480

Marshall, R. D.
See H. C. S. Thom, WW2:May 71:355:8144

Martens, Robert R.
See Jimmie E. Quon, SA2:Apr 70:437:7232

Martin, Arthur, Jr.
Safety Inspection Of Hydro Projects-FPC Order 315, PO2:Mar 71:449:7958
Dsc: Andrew Eberhardt, PO4:Dec 71:886:8554

Martin, C. Samuel
Behavior Of Porous Bed Near Flow Singularity, SM2:Feb 71:393:7935
Finite-Difference Simulation of Bore Propagation, with Jerome J. Zovne, HY7:July 71:993:8234
Graphical and Computer Analysis of Tailrace Surges, PO3:July 71:697:8261
Open-Channel Simulation by Digital Computer, with Frank G. De Fazio, HY6:Nov 69:2049:6911
TR:136:644
Seepage Force on Interfacial Bed Particles, with Mustafa M. Aral, HY7:July 71:1081:8239
Dsc, HY7:July 71:1159:8223, of "Computation of Open-Channel Surges and Shocks", HY12:Dec 70:2581:7780

Martin, Glen L.
See Dale L. Rowlison, IR1:Mar 71:39:7981

Martin, J. C.
See Frederick G. Pohland, SA6:Dec 69:6931

Martin, L. Glen
See Richard L. Foster, IR4:Dec 69:551:6984

Martin, Larry D.
See Henry Liu, HY1:Jan 70:143:7027

Martin, William E.
Dsc, with Robert A. Young, Maurice M. Kelso and Jimmye S. Hillman, IR4:Dec 69:611:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Marwadi, S. C.
See S. K. Guha, TN: EM2:Apr 71:589:8017

Marzolf, G. Richard
Impact of Turbidity and Lake Sedimentation, Preprint No.1547, Oct 71

Masch, Frank D.
Analysis of Hurricane Tides at Padre Island, Texas, with Robert J. Brandes, Floyd R. Hill and William A. White, 12CEC:pp.2031-2050, 1971
Research Needs on Thermal and Sedimentary Pollution in Tidal Waters by the Committee on Tidal Hydraulics of the Hydraulics Division, HY7: July 70:1539:7426
TR:136:1177
See John Simpson Hale, 12CEC:pp.223-242, 1971

Maslov, B.
See James N. Luthin, IR1:Mar 69:117:6446

Mason, Earl S.
See Gordon H. Flammer, HY7:July 70:1485:7418

Mason, George E.
See Alfred G. Bishara, ST9:Sept 71:2261:8387

Mason, J. W.
See Donald R. Rowe, SA5:Oct 70:1221:7619

Mason, Ralph
Satellite Transit at Seattle-Tacoma Airport, Preprint No.1458, July 71

Masri, S. F.
Periodic Excitation of Multiple-Unit Impact Dampers, EM6:Dec 70:1195:7747
TR:136:1321

XUM

Massey, Campbell
Lateral Stability of Nonuniform Cantilevers, with Peter J. McGuire, EM3:June 71:673:8172
Dsc: Nicholas S. Trahair, Sritawat Kitipornchai and Gregory J. Hancock, EM6:Dec 71:1753:8551

Massman, Henry Joseph, Jr.
Memoir of, TR:136:1356

Mast, Robert F.
Walt Disney World Monorail, with Charles W. Dolan, Preprint No.1510, July 71

Masur, Ernest F.
Optimum Stiffness and Strength of Elastic Structures, EM5:Oct 70:621:7580
TR:136:7580
Dsc, ST12:Dec 70:2680:7714, of "Bounding of Frame Buckling Loads", ST8:Aug 70:1639:7452
Dsc, ST3:Mar 71:1008:7944, of " Elastic Lateral Buckling of Steel Beam", ST9:Sept 70:1919:7555

Matalas, N. C.
See W. J. Conover, EM5:Oct 69:1063:6814

Matheson, David S.
Dsc, with Sivajogi D. Koppula, SM7:July 71:1034:8224, of "Analysis of Soil Movement Around a Deep Excavation", SM5:Sept 70:1655:7512

Mathew, Cheruvathur I.
Dsc, ST10:Oct 71:2619:8411, of "Finite Element Analysis of Hyperbolic Paraboloid Shells", ST1:Jan 71:407:7847

Mathews, Michael J.
See Harry G. Wenzel, Jr., HY12:Dec 70:2467:7724

Mathioudis, Miltos Th.
See Peri Z. Valvis, PO2:Mar 71:567:8003

Matlock, Hudson
Analytical Model for Prediction of Ice-Structure Interaction, with William P. Dawkins and John J. Panak, EM4:Aug 71:1083:8282
See Harold J. Salane, ST3:Mar 69:441:6477

Matsui, Yuzo
See Shunta Shiraishi, CE:Mar 70:43

Matsuo, Takahiko
See Takeshi Ijima, 12CEC:pp.137-149, 1971

Matthys, J. H.
See F. B. Johnson, Preprint No.1377, Apr 71

Mattick, Douglas M.
Dsc, CO2:Nov 71:343:8482, of "Optimum Replacement Life Of Large Scrapers", CO1:Mar 71:37:8000

Mattock, Alan H.
Behavior Under Load of Composite Box-Girder Bridges, with Sterling B. Johnston, ST10:Oct 68:2351:6168
Errata: CO1:June 70:82:7038
TR:136:645
Diagonal Tension Cracking in Concrete Beams with Axial Forces, ST9:Oct 69:1887:6776
Dsc: Fritz Leonhardt, ST6:June 70:1243:7314; Ganpat S. Pandit, ST6:June 70:1245:7314
Clo: ST12:Dec 70:2662:7714
TR:136:221
See Munther J. Haddadin, ST9:Sept 71:2277:8394

Mauldin, Alfred F., Jr.
See Larry W. Carter, SA6:Dec 69:1117:6975

Maurizi, Mario
See Patricio A. Laura, EM5:Oct 71:1588:8406

Mavis, Frederic T.
Flow of Sand and Water in Pipes, TN: HY3:Mar 71:483:7945
Virtual Mass of Plates and Discs in Water, HY10:Oct 70:1947:7593
Dsc: C. J. Garrison, HY4:Apr 71:631:8012
Clo: HY11:Nov 71:1901:8483
Dsc, HY4:Apr 70:1103:7189, of "Energy Dissipators for Large Culverts", HY6:Nov 69:1941:6893
Dsc, ST4:Apr 70:849:7191, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389:6667
Dsc, HY6:June 70:1377:7310, of "Channel Slope Effect on Peak Discharge of Natural Streams", HY2:Feb 70:307:7052
Dsc, HY8:Aug 70:1765:7439, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY8:Aug 70:1773:7439, of "Linear Proportional Weirs", HY2:Feb 70:379:7062
Dsc, HY12:Dec 70:2675:7711, of "Flow Analysis of Large Triangular Weir", HY7:July 70:1435:7405
Dsc, ST12:Dec 70:2679:7714, of "Two-Dimensional Cable Analysis", ST7:July 70:1581:7436
Dsc, HY1:Jan 71:170:7783, of "Nonlinear Flow in Porous Media", HY6:Nov 69:1847:6883
Dsc, HY9:Sept 71:1570:8345, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994

Maxwell, Harold M.
Dsc, CE:Mar 70:42, on Black People Call for ASCE Social Action, CE:Dec 69:73

Maxwell, W. Hall C.
Flux Development Region in Submerged Jets, EM6:Dec 70:1061:7756
Clo: EM5:Oct 71:1569:8406
TR:136:1324
See J. Richard Weggel, WW3:Aug 70:623:7467

May, Gerald W.
Elastic-Plastic Bending of Rectangular Plates, with Kurt H. Gerstle, ST7:July 71:1863:8237

May, Robert A.
Dsc, CE:Dec 71:42, on ASCE and Social Issues, CE:May 71:58

Mayer, Paul G.
See Billy L. Edge, WW1:Feb 71:167:7889

Mayer, Peter A.
Developing an Improved Traffic Operations Program, TE2:May 71:263:8099

McAward, Patrick J., Jr.
See Austin E. Brant, Jr., Preprint No.1486, July 71

McBride, Lewis W.
Owner's Return from CPM-Fact or Fiction, CO1:June 70:1:7316
TR:136:461

McCabe, Robert A.
Beach Behavior, North Shore, Long Island Sound, WW4:Nov 70:781:7679
TR:136:1296

McCaffry, R. J.
Dynamics of Guyed Towers, with Alois J. Hartmann, Preprint No.1379, Apr 71

McCarty, Perry L.
See Frank E. Stratton, SA5:Oct 69:952:6802
See Alonzo W. Lawrence, SA3:June 70:757:7365

McCaslin, John
See Ralph E. Miller, Jr., ST1:Jan 71:329:7854

McCavour, T. C.
Criteria for the Design of Steel Sandwich Panels, Preprint No.1407, Apr 71

McClellan, Dorothy N.
Engineering Internship, CE:Dec 71:78

McClelland, Bramlette
Problems in Design and Installation of Offshore Piles, with John A. Focht, Jr. and William J. Emrich, SM6:Nov 69:1491:6913
Dsc: George G. Meyerhoff, SM3:May 70:1079:7249; Denys A. Fox, SM5:Sept 70:1823:7499
Clo: SM6:June 71:923:8158
TR:136:734

McClure, Richard M.
Dsc, ST12:Dec 71:2911:8557, of "Need For Diaphragms in Concrete Box Girders", ST3:Mar 71:825:7965

McCormick, George
Estimation of Deep Freezing Indices, TE3:Aug 71:401:8276

McCormick, John
Dsc, with Joseph P. Wright, ST3:Mar 70:729:7116, of "Nonlinear Field Analysis of Structural Nets", ST5:May 69:889:6556

McCorquodale, John A.
Variational Approach to Non-Darcy Flow, HY11:Nov 70:2265:7694
Errata: HY10:Oct 71:1763:8407
TR:136:1292

McCullough, Benjamin F.
See William Ronald Hudson, ST1:Jan 71:81:7852

McCullough, Benjamin F. Franklin
See Bernard A. Vallerga, TE4:Nov 69:639:6895

McCullough, Charles A.
Control of Water Pollution During Dam Construction, with Robert R. Nicklen, SA1:Feb 71:81:7927

McDaniel, Thomas N.
See Richard B. Catanach, TN: SM6:June 71:959:8162

McDermid, Ramsay M.
See M. Gamal Mostafa, HY10:Oct 71:1777:8407

McDermott, Daniel J.
See Richard F. Harig, ST1:Jan 71:315:7843

McDermott, John F.
Local Plastic Buckling of A514 Steel Members, ST9:Sept 69:1837:6761
Dsc: Yuhshi Fukumoto, ST5:May 70:999:7250; Ganpat S. Pandit, ST6:June 70:1241:7314
Clo: ST12:Dec 70:2660:7714
TR:136:204
Plastic Bending of A514 Steel Beams, ST9:Sept 69:1851:6762
Dsc: Ganpat S. Pandit, ST6:June 70:1212:7314
Clo: ST12:Dec 70:2661:7714
TR:136:212

McDonald, Donald
See Karl-Robert Leimbach, ST2:Feb 70:267:7082

McDonald, Vincent J.
See Roy E. Olsen, TN: SM1:Jan 71:283:7787

McEntyre, John G.
Dsc, SU2:Nov 71:338:8487, of "Coordinates Versus Confusion", SU2:Sept 70:191:7528

McFall, Robert L.
Dsc, UP1:Apr 69:105:6487, of "Water Resources as an Element of Urban Planning", UP1:Aug 68:1:6056
Dsc, HY6:Nov 69:2190:6 , of "River Metamorphosis", HY1:Jan 69:255:6352
Dsc, HY6:Nov 69:2205:6866, of "Systemic Variation Pattern of Annual River Flows", HY3:May 69:787:6531
Dsc, HY1:Jan 70:303:6988, of "Principles and Procedures in Flood Plain Management", HY4:July 69:1321:6696
Dsc, UP1:Mar 70:102:7119, of "Use of Air Space Over Freeway Systems", UP1:Apr 69:61:6519
Dsc, TE2:May 70:245:7251, of "Use of Air Rights over Urban Expressw ", TE2:May 69:357:6550
Dsc, HY6:June 70:1367:7310, of "Computers in Flood Control Planning", HY6:Nov 69:1859:6886
Dsc, HY9:Sept 70:1909:7497, of "Real-Time Computer Control of Urban Runoff", HY1:Jan 70:153:7028
Dsc, IR3:Sept 70:375:7498, of "Future of Ground Water in African Sahara Desert", IR4:Dec 69:563:6986
Dsc, PP1:Sept 70:151:7549, of "Civil Engineering Management in Private Practice", PP1:July 69:17:6661
Dsc, HY10:Oct 70:2158:7568, of "Seepage Study Using Electrical Analog", HY2:Feb 70:411:7064
Dsc, UP2:Oct 70:168:7571, of "Urban Planning and Development of River Cities", UP1:Mar 70:59:7144
Dsc, HY11:Nov 70:2398:7641, of "Digital Model of Alluvial Aquifer", WW3:May 70:1115:7264
Dsc, HY2:Feb 71:381:7863, of "State Flood-Plain Management Activities", HY10:Oct 70:2041:7589
Dsc, IR1:Mar 71:218:7941, of "Use of Runoff Forecasting in Reservoir Operations", IR3:Sept 70:299:7541
Dsc, with Victor L. Hauser and Lawrence P. Kolb, CE:Apr 71:41, on Population and People, CE:Dec 70:27
Dsc, HY4:Apr 71:639:8012, of "Optimal Policy for Reservoir Operation", HY11:Nov 70:2297:7673
Dsc, UP1:Apr 71:123:8016, of "Water Resources Planning in Appalachia", UP2:Oct 70:123:7599
Dsc, TE2:May 71:387:8082, of "The Comprehensive Plan in Transportation Planning", TE3:July 70:421:7493
Dsc, SA3:June 71:389:8157, of "Water and Health-Are We Concerned Enough?", SA5:Oct 70:1147:7595
Dsc, SA4:Aug 71:537:8269, of "Environmental Protection-TVA Experience", SA6:Dec 70:1321:7761
Dsc, HY9:Sept 71:1567:8345, of "Flood Regulation by Columbia Treaty Projects", HY1:Jan 71:143:7798
Dsc, IR3:Sept 71:538:8346, of "Management Structure for Irrigation", IR4:Dec 70:475:7722
Dsc, UP2:Dec 71:246:8558, of "Multiservice Transport Systems for Urban Mobility", UP1:Apr 71:31:8025

McFalls, Richard
Dsc, CE:June 70:44, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

McFarland, David E.
See John T. Easley, ST7:July 69:1497:6683

McGarry, Fred J.
See Surendra P. Shah, EM6:Dec 71:1663:8597

McGauhey, P. H.
Planning for Clean Water in Terms of the Ecology and Social Environment, CWFE:Mar 71:29
See Gedalia Shelef, SA1:Feb 70:91:7105

McGavock, John H.
Port Construction At Burns Waterway Harbor, with Norman R. Loesing and Elvis R. Dye, CO1:Mar 71:17:7990

McGean, Thomas J.
Rapid Rail Research Requirements, Preprint No.1464, July 71

McGill, David J.
Column Instability Under Weight and Follower Loads, EM3:June 71:629:8196

McGinnis, David, Jr.
Dsc, with William H. Sammons, HY5:May 70:1201:7248, of "Daily Streamflow Simulation", HY4:July 69:1163:6665

XUM

McGinnis, R. S.
Power Plant Siting - Social/Political Considerations, Preprint No.1528, Oct 71

McGrath, William K.
See John B. Scalzi, ST12:Dec 71:2837:8604

McGuire, Peter J.
See Campbell Massey, EM3:June 71:673:8172

McGurk, Florence F.
See Frank W. Sollo, Jr., NSCD:pp.245-267, 1971

McHarg, Ian
Ecological Values and Regional Planning, CE:Aug 70:40
Dsc: Hugo Vervuurt, CE:Dec 70:54; Frank B. Burggraf, Jr., CE:Dec 70:54; John Volkert, CE: Dec 70:54; R. P. Spiro, CE:Dec 70:54; Ralph W. Kiefer, CE:Dec 70:58
TR:136:605

McHenry, J. Roger
Dsc, HY8:Aug 71:1253:8267, of "Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual", HY12:Dec 70:2417:7781

McKeever, Shelton R.
See Walter B. Benton, PO1:Jan 70:109:7029

McKelvey, V. E.
Dsc, HY4:Apr 71:593:8012, of "Sedimentation Engineering, Chapter 3: Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY5:May 70:1157:7269

McKihrick, Sterling
Dsc, CE:Mar 71:52, on Venice is Sinking into the Sea, CE:Mar 71:67

McKyes, Edward
See Raymond N. Yong, SM1:Jan 71:159:7790

Mc Lamore, V. R.
Ambient Vibration of Two Suspension Bridges, with Gary C. Hart and Ian R. Stubbs, ST10:Oct 71: 2567:8454

McLaughlin, William A.
Map Control by Electronic Surveys, SU1:Apr 70:81: 7226
TR:136:1146

McLean, Francis G.
Seepage Characteristics of Imperfect Cutoffs, with Raymond J. Krizek, TN: SM1:Jan 71:305:7787

McManus, Paul F.
Nonuniform Torsion of Composite Beams, with Charles G. Culver, ST6:June 69:1233:6623
Dsc: R. Konyalian and Theodore V. Galambos, ST3:Mar 70:737:7116
Clo: ST9:Sept 70:1966:7567
TR:136:10

McMaster, Eugene R.
See James W. McPhillips, Preprint No.1563, Oct 71

McMinn, Jack H.
See Edwin A. Wells, CWFE:Mar 71:147

McMullen, Arthur E.
Concrete Beams in Bending, Torsion and Shear, with Joseph Warwaruk, ST5:May 70:885:7270
Dsc: Lennart Elfgren, Inge Karlsson and Anders Losberg, ST2:Feb 71:729:7867; Ganpat S. Pandit, ST2:Feb 71:732:7867; . K. V. Swaminathan and N. Raghavendra, ST3:Mar 71: 972:7944; B. K. Mital, ST3:Mar 71:976:7944; Umakanta Behera, ST3:Mar 71:977:7944
Clo: ST10:Oct 71:2601:8411
TR:136:1255

McNair, Arthur J.
The Survey Engineer - A Rare Species, SU1:Apr 70: 37:7197
TR:136:1135

McNair, E. Clark
Characteristics of Waves Broken by a Longshore Bar, with Robert M. Sorensen, 12CEC:pp.415-434, 1971

McNeice, Gregory M.
See Jan C. Jofriet, ST3:Mar 71:785:7[illegible]

McPherson, Harold J.
See William F. Rannie, HY4:Apr 71:59[illegible]:8012

McPherson, J. C.
Transportation and the Elderly, with P. M. Bunting, Preprint No.1438, July 71

McPhillips, James W.
Action in Public Affairs - A Way of Life, with Brian R. Hogan, Eugene R. McMaster and David A. Novick, Preprint No.1563, Oct 71
Guidelines for Engaging in Public Affairs Activities, PP1:Oct 71:167:8480

McQuivey, Raul S.
Some Turbulence Measurements in Open-Channel Flow, with Everett V. Richardson, HY1:Jan 69:209: 6349
Dsc: Mahmoud Faisal Rifai, HY6:Nov 69:2179: 6866; David R. Townsend, HY6:Nov 69:2182: 6866; Emmanuel Partheniades and Paul H. Blinco, HY1:Jan 70:272:6988; Maddineni V. Rao, HY1:Jan 70:275:6988
Clo: HY11:Nov 70:2361:7641
TR:136:33

McVickar, Dan B.
See Yun-Sheng Yu, EM1:Feb 71:1:7887

McWhinnie, Robert C.
Basic Needs of Urban Water Management on the Firing Line, UWRM:pp.8-13, 1971

McWhorter, John C.
Finite Deflections of Curved Beams, with Harry R. Wetenkamp and Omar M. Sidebottom, EM2:Apr 71:345:8046

Medige, John
See Herbert Reisman, EM5:Oct 68:1167:6183

Medland, Ian C.
Flexural Rigidity of Concrete Column Sections, with Donald A. Taylor, ST2:Feb 71:573:7933
Dsc: Andrie C.T. Chen, Ti Huang and Wai Chen, ST11:Nov 71:2763:8485; Ganpat S. Pandit, ST11:Nov 71:2766:8485

Meek, Roy L.
See Duane W. Hill, UWRM:pp.43-46, 1971

Megerian, Edmond
Dsc, WW3:Aug 70:731:7443, of "Lake Michigan-Huron Stage-Frequency and Trend", WW3:Aug 69: 261:6716

Mehrotra, Bharat
Stiffening in Tubular Junctions - Some New Concepts, TN: ST9:Sept 71:2453:8374

XUM

Mehrotra, Bharat L.
Analysis of Three Dimensional Thin-Walled Structures, with Aftab A. Mufti and Richard G. Redwood, ST12:Dec 69:2863:6968
Dsc: Olgierd C. Zienkiewicz and Chandrakant J. Parekh, ST8:Aug 70:1838:7442; Peter C. Kohnke, ST9:Sept 70:1977:7567
Clo: ST4:Apr 71:1352:8015
TR:136:465
Dsc, ST3:Mar 71:998:7944, of "Shear Lag in Stiffened Box Girders", ST7:July 70:1403:7409
Dsc, EM3:June 71:1026:8154, of " Finite Element Bending Analysis of Reissner Plates", EM6:Dec 70:967:7760

Mehta, Dolat S.
Dsc, PO2:Mar 71:587:7942, of "Post-Tensioned Concrete Nuclear Structures", PO3:June 70:400:7355

Mehta, Puran R.
See James C. Poffenberger, ST11:Nov 70:2429:7687

Mei, Chiang C.
Steady Free Surface Flow Over Wavy Bed, EM6:Dec 69:1393:6967
TR:136:1208
Weak Reflection of Water Waves by Bottom Obstacles, EM1:Feb 69:183:6401
TR:136:1095

Meinheit, Donald F.
See Peter C. Birkemoe, ST10:Oct 69:2011:6811

Melchers, Robert E.
Optimum Design of Reinforced Concrete Tanks, with George I. N. Rozvany, EM6:Dec 70:1093:7739
Dsc: Sandor Kaliszky, EM4:Aug 71:1299:8266
Dsc, ST6:June 70:1257:7314, of "Behavior of Simply Supported Slabs", ST12:Dec 69:2703:6945

Melin, John W.
See Karl L. Reichelt, ST1:Jan 71:237:7836
See Edward L. Murphree, ST1:Jan 71:301:7835
See Richard N. Wright, ST1:Jan 71:481:7856

Melosh, R. J.
Efficient Solution of Load-Deflection Equations, with R. M. Bamford, ST4:Apr 69:661:6510
Dsc: John S. Campbell, ST12:Dec 69:2993:6932; John R. Roy, ST12:Dec 69:2994:6932; Vipperla B. Venkayya, ST1:Jan 70:148:6990; Bruce M. Irons, ST1:Jan 70:152:6990; Semih S. Tezcan and George Kostro, ST2:Feb 70:421:7047; Carlos A. Felippa and James L. Tocher, ST2:Feb 70:422:7047; Stanley Klein, ST5:May 70:983:7250
Clo: ST2:Feb 71:713:7867
TR:136:700
Multiple Configuration Analysis of Structures, with Rein Luik, ST11:Nov 68:2581:6220
Dsc: Steven J. Fenves and Rebi Ertas, ST7:July 69:1586:6644
Clo: ST6:June 70:1239:7314
TR:136:663

Melvill, Andrew L.
See Desmond L. Webb, SM3:Mar 71:587:7943

Melzer, K. J.
Standard Penetration Test and Relative Density, 4PCSM:pp.37-44, 1971

Mendoza, Enrique
See Emilio Rosenblueth, EM6:Dec 71:1625:8584

Menec, Joseph, Jr.
See Emile Langlois, ST12:Dec 69:2723:6947

Mercer, Albert G.
Analytically Determined Bed-form Shape, TN: EM1:Feb 71:175:7858

Merkel, Wolfgang
Dsc, SA5:Oct 71:795:8409, of "Physical Behavior of Flocculent Suspensions in Upflow", SA2:Apr 71:209:8054

Mermel, T. W.
World's Highest and Largest Dams, CE:July 70:73
TR:136:583

Merrifield, John T.
Ductile-Frame Tie Bars, with Albert P. Jensen, CE:Nov 71:52

Merrill, Edward A.
Booby Traps for Young Engineers on Construction, CO2:Nov 71:305:8541
Dsc, CE:Nov 70:39, on Contributions of the Federal-Aid Highway Program, CE:June 70:71

Mesri, Gholamreza
See Roy E. Olson, SM6:Nov 70:1863:7649

Messer, Carroll J.
See Conrad L. Dudek, Preprint No.1471, July 71

Meyer, Adolf A.
Dsc, PO1:Mar 69:150:6442, of "Research Needs in Civil Engineering Aspects of Power, Report of the Research Commission, Power Division, ASCE", PO1:May 68:33:5935

Meyer, Alvin H.
Sulfuric Acid Attack on Concrete Sewer Pipe, with William B. Ledbetter, SA5:Oct 70:1167:7624
TR:136:1117

Meyer, Charles F.
Using Experimental Models to Guide Data Gathering, HY10:Oct 71:1681:8449
See David K. Todd, HY2:Feb 71:233:7910

Meyer, Christian
Analysis of Curved Folded Plate Structures, with Alexander C. Scordelis, ST10:Oct 71:2459:8434

Meyer, Johannes
See Heinz Stefan, HY2:Feb 70:411:7064

Meyer, Kirby T.
See Robert L. Lytton, SM7:July 71:999:8265

Meyerhoff, George G.
Dsc, SM3:May 70:1079:7249, of "Problems in Design and Installation of Offshore Piles", SM6:Nov 69:1491:6913

Meyers, James F.
See Richard E. Gray, SM4:July 70:1267:7407

Meyers, S.
See David Karmeli, PL1:Oct 68:1:6130

Micheau, Terry W.
See Louis R. Shaffer, CO1:Mar 71:113:8008

Mickle, L. Jack
See Eugene R. Russell, SM3:May 70:967:7298

Micucci, Carlos A.
Los Nogales Dam - Effectiveness of the Curtain (In Spanish), with Hugo Scolaro, Arnoldo J.L. Bolognesi and Oreste Moretto, 4PCSM:pp.307-317, 1971

Middlebrooks, E. Joe
Rational Multivariate Algal Growth Kinetics, with Donald B. Porcella, TN: SA1:Feb 71:135:7859
See Donald B. Porcella, SA4:Aug 70:911:7460

Middleton, F. M.
Research and Development Needs for Advanced Waste Treatment Process to Serve Future Needs, with R. L. Stenburg, CWFE:Mar 71:189

XUM

Mielenz, Richard C.
See David Pirtz, PO1:Jan 70:23:6997

Migliaccio, Ralph R.
See Grant A. Ross, SM4:July 69:1007:6664

Mikesell, Ritchie D.
Dsc, SA5:Oct 71:773:8409, of "Theoretical Analysis of Activated Sludge Dynamics", SA1:Feb 71:1:7879

Mikhail, Michel L.
Buckling of Simply Supported Folded Plates, with Sidney A. Guralnick, EM5:Oct 71:1363:8414

Mikitka, Robert W.
Dsc, with Joel H. Trammell, PO1:Jan 71:252:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034
See J. Edgar Revelle, PO2:Mar 71:435:7947

Milho, Mario J.
See J. Laginha Serafim, ST8:Aug 70:1711:7492

Millard, Charles F.
Graving Dock for 300,000-ton Ships, with Jay J. Hassani, CE:June 71:71
Dsc: Michael N. Salgo, CE:Dec 71:67

Miller, Alan J.
Queueing at Single-Berth Shipping Terminal, WW1:Feb 71:43:7895

Miller, Charles A.
Creep Deflection of Reinforced Concrete Beams, with Sidney A. Guralnick, ST12:Dec 70:2625:7768
Errata: ST12:Dec 71:2891:8557

Miller, David R.
The Remote Airport, with T. K. Dellaway and W. H. T. Holden, Preprint No.1457, July 71

Miller, Eric
Dsc, HY9:Sept 71:1544:8345, of "Cavitation Parameters for Outlet Valves", HY12:Dec 70:2519:7771

Miller, Eugene A.
Dsc, with Lyle E. Lewis, SM5:Sept 70:1817:7499, of "Sand Densification by Piles and Vibroflotation", SM6:Nov 69:1303:6892
Dsc, with Lyle E. Lewis, PISST:pp.226-229, 1971, of "Sand Densification by Piles and Vibrofloatation", PISST:pp.203-224, 1971

Miller, John F.
Within Storm Precipitation-Frequency Values, Preprint No.1316, Jan 71

Miller, Kenneth D.
Surface Aeration Cuts Costs of Waste-Water Treatment Plant, CE:Aug 71:41

Miller, Ralph E., Jr.
Cost-Effective Matching of Task and Computing Device, with John McCaslin, ST1:Jan 71:329:7854
Errata: ST12:Dec 71:2892:8557

Miller, Robert E.
See Henry L. Langhaar, EM5:Oct 70:753:7635

Miller, Robert L.
Prediction Curves for Waves near the Source of an Impulse, 12CEC:pp.609-624, 1971

Milligan, V.
The Practice of Foundation Engineering in Canada, 4PCSM:pp.355-363, 1971

Mills, G. M.
Dsc, with V. P. Mital, ST12:Dec 70:2673:7714, of "Crack Width Control in Reinforced Concrete Two-Way Slabs", ST3:Mar 70:701:7182

Mills, Henry J.
Operation and Maintenance of Colorado Aqueduct, IR1:Mar 71:203:8007

Mills, William C.
Algorithm For Adjusting Stream Stage Records, with Willard M. Snyder, IR1:Mar 71:51:7955

Milnes, Thomas R.
See Alonzo W. Lawrence, SA1:Feb 71:121:7865

Mim Mack, George J.
Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, with Karl B. Brown, CE:May 71:39
Dsc: Carl L. Terzian, CE:Oct 71:76

Mimr, Ahmed El
Dsc, IR3:Sept 70:374:7498, of "Future of Ground Water in African Sahara Desert", IR4:Dec 69:563:6986

Miner, Russell M.
See Peter D. Hindley, PO4:Dec 71:783:8580

Minkov, M.
Dsc, with D. Evstatiev, SM5:Sept 70:1821:7499, of "Mixing-in-Place Soil and Portland Cement", SM6:Nov 69:1357:6909

Minshall, Neal E.
Stream Enrichment from Farm Operations, with Stanley S. Witzel and M. Starr Nichols, SA2:Apr 70:513:7238
Errata: SA5:Oct 70:1291:7569
Clo: SA2:Apr 71:230:8013
TR:136:912

Mirza, Jehangir F.
Dsc, with Paul Zia, ST2:Feb 71:737:7867, of "Concrete Beams with Prestressed Reinforcement", ST7:July 70:1445:7411

Mishra, G. C.
See Annapareddy Siva Reddy, HY7:July 71:1101:8248

Misra, M. S.
Dsc, CE:Jan 71:64, on Students Tackle Pollution Problems, CE:Sept 70:51

Mital, B. K.
Dsc, ST3:Mar 71:976:7944, of "Concrete Beams in Bending, Torsion and Shear", ST5:May 70:885:7270

Mital, V. P.
See G. M. Mills, ST12:Dec 70:2673:7714

Mitchell, Dee
Estimating Eutrophic Potential of Pollutants, with James C. Buzzell, Jr., SA4:Aug 71:453:8333

Mitchell, James K.
Analysis of Load-Bearing Fills over Soft Subsoils, with William S. Gardner, SM11:Nov 71:1549:8522
Causes of Clay Sensitivity, with William N. Houston, SM3:May 69:845:6568
Dsc: J. Kenneth Torrance, SM1:Jan 70:360:6989; T. S. Ramanatha Iyer, SM2:Mar 70:774:7115
Clo: SM1:Jan 71:239:7785
TR:136:130
In-place Treatment of Foundation Soils, SM1:Jan 70:73:7035
Dsc: George H. Watson, SM4:July 70:1480:7385; Byron J. Prugh, SM5:Sept 70:1833:7499
Clo: SM4:Apr 71:684:8013
TR:136:488
In-Place Treatment of Foundation Soils, PISST:pp.93-130, 1971
Dsc: George H. Watson, PISST:pp.131-133, 1971; Byron J. Prugh, PISST:p.134, 1971
Clo: PISST:pp.134-134, 1971

Static Cone to Compute Static Settlement Over Sand, SM3:May 70:1011:7302
Dsc: B. Ramanathan, SM1:Jan 71:274:7785; J. Gielly, P. Lareal and Guy Sanglerat, SM2:Feb 71:708:7866; Desmond L. Webb and Andrew L. Melvill, SM3:Mar 71:587:7943
Clo: SM12:Dec 71:1703:8556
See William N. Houston, SM4:July 69:1037:6666
See Nicholas C. Costes, SM6:Nov 70:2045:7704

Mitchell, Ralph
Destruction of Bacteria and Viruses in Seawater, SA4:Aug 71:425:8299

Mitchell, Richard J.
Dsc, SU1:May 71:143:8085, of "Coordinates Versus Confusion", SU2:Sept 70:191:7528

Mitchell, Stephen C.
Is the Romance With Technology Over?, CE:July 71:79

Miyata, Moto
See George F. Carrier, EM6:Dec 71:1703:8611

Moayeri, Mohammad S.
See Theodor Strelkoff, HY4:Apr 70:879:7207

Mobasheri, Fereidoun
See Ricardo C. Harboe, HY11:Nov 70:2297:7673

Mockros, Lyle F.
Validity of Stokes Theory for Accelerating Spheres, with Robert Y.S. Lai, EM3:June 69:629:6613
Dsc: Chin-Yih Kuo, EM2:Apr 70:177:7188
Clo: EM5:Oct 70:786:7574
TR:136:177

Modi, Pashupati N.
Dsc, IR2:June 71:333:8156, of "Friction Factors for Corrugated Plastic Tubing", IR3:Sept 70:265:7531
See Rupchand M. Advani, HY4:Apr 70:1044:7189
See Rupchand M. Advani, HY8:Aug 70:1763:7439
See Rupchand M. Advani, HY9:Sept 70:1910:7497
See Rupchand M. Advani, HY11:Nov 70:2384:7641
See Rupchand M. Advani, HY1:Jan 71:204:7783
See Rupchand M. Advani, HY10:Oct 71:1788:8407
See Rupchand M. Advani, HY11:Nov 71:1923:8483

Mody, Arvind P.
See Jayant P. Patel, HY12:Dec 70:2620:7711

Moe, Johannes
See Dag Kavlie, ST1:Jan 71:33:7823

Moehlenpah, Arlo E.
See Ori Ishai, EM5:Oct 70:739:7616

Mogel, Theodor R.
Computation of Alongshore Energy and Littoral Transport, with Robert L. Street and Byrne Perry, 12CEC:pp.899-917, 1971

Mogridge, Geoffrey R.
Testing Sediment Movement Due to Wave Action, HY7:July 70:1587:7433
Dsc: Harihar Raman and John J. Earattupuzha, HY4:Apr 71:625:8012
Clo: HY11:Nov 71:1899:8483
TR:136:1309
See Richard Silvester, 12CEC:pp.651-667, 1971

Mohamed, C. P.
See P. Suryaprakasa, WW1:Feb 71:212:7868

Mohamed, S. M.M.
See T. S. Ramanatha Iyer, SM3:May 70:1074:7249

Mohan, Dinesh
The Dynamic Cone Penetration Test, with D. F. Sen Gupta, CE:Feb 70:49
TR:136:90

Mohanka, Shyam S.
Theory of Multilayer Filtration, SA6:Dec 69:1079:6959
Dsc: Arun K. Deb, SA5:Oct 70:1282:7569
Clo: SA3:June 71:375:8157
TR:136:231
Dsc, with Adnan Gur, SA1:Feb 70:183:7046, of "Theory of Sand Filtration", SA3:June 69:399:6593

Mohanrao, G. J.
See P. V.R. Subrahmanyam, SA6:Dec 70:1463:7713

Mohan Rao, Udayagiri
Dsc, HY5:May 70:1215:7248, of "Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual", HY5:Sept 69:1515:6757

Mok, Carson K.C.
See August J. Durelli, ST8:Aug 69:1713:6739

Mollmann, H.
Analysis of Plane Prestressed Cable Structures, ST10:Oct 70:2059:7598
TR:136:1182

Moncure, R. W.
See W. Harrison, 12CEC:pp.1201-1222, 1971

Moni, N. S.
Study of Mudbanks along the Southwest Coast of India, 12CEC:pp.739-750, 1971

Monkmeyer, Peter L.
A Higher Order Theory for Symmetrical Gravity Waves, 12CEC:pp.543-561, 1971

Monroe, Darrell W.
Chlorine Disinfection in Final Settling Basins, with Donald C. Philipps, NSCD:pp.163-179, 1971

Monsey, Arthur
Construction Expediting, CO1:June 70:19:7356
Dsc: John D. Bristok, CO1:Mar 71:167:7939
Clo: CO2:Nov 71:329:8482
TR:136:1314

Monteith, William J.
Chart Compilation-Field and Office, SU2:Sept 70:157:7522
TR:136:885

Moody, Charles G.
Dsc, WW2:May 71:427:8086, of "Interoceanic Canal Navigation Criteria", WW2:May 70:395:7288
Dsc, WW2:May 71:430:8086, of "Effect on Waterway Depth and Alignments", WW2:May 70:497:7305

Moody, Martin L.
Parametric Vibration Response of Columns, EM3:June 69:665:6619
Dsc: Dusan Krajcinovic, EM2:Apr 70:180:7188
Clo: EM5:Oct 70:787:7574
TR:136:81

Moor, Julius H.
Field Tests of Ice Jam Prevention Techniques, with Carl H. Watson, HY6:June 71:777:8179

Moore, Charles A.
Effect of Mica on K_O Compressibility of Two Soils, SM9:Sept 71:1275:8401

Moore, Charlie M.
Effect of Upstream Retarding Reservoirs on Peak Flow, Preprint No.1529, Oct 71

Moore, Daniel W.
Planning for a New Town, UP1:Apr 71:79:8065

XUM

Moore, Desmond F.
On the Concept of Mean Hydraulic Radius, HY4: July 69:1305:6691
Dsc: N. Narayana Pillai, HY4:Apr 70:1066:7189; T. R. Chandrasekhara and S. Venkataramana, HY4:Apr 70:1068:7189
Clo: HY11:Nov 70:2374:7641
TR:136:84

Moore, Edgar T.
Design and Construction of Mossyrock Penstocks, PO1:Jan 71:49:7799
Dsc, Reservoir Storage Evacuation Time by Integration, Dsc, CE:Apr 71:42

Moore, J. Robert
Urban Riverside Environmental Analysis, UP1:Apr 71:105:8066

Moore, Normand L.
Control Surveys for Major Bridges, with Richard G. Begell, SU1:May 71:83:8098

Moore, Peter J.
Calculated and Observed Vibration Amplitudes, SM1: Jan 71:141:7789
Dsc: Kolinjuvadi S. Sankaran and Madurachari S. Subrahmanyam, SM8:Aug 71:1131:8270
Settlement of Building on Deep Compressible Soil, with Graham K. Spencer, SM3:May 69:769:6547
Dsc: Jean-Pierre Giroud and J. M. Runacher, SM2:Mar 70:768:7115; Clyde N. Baker, Jr., SM2:Mar 70:771:7115; M. Anandakrishnan and T. Kuppusamy, SM2:Mar 70:772:7115; S. C. Sharda, SM2:Mar 70:773:7115; S. Boominathan, SM3:May 70:1049:7249
Clo: SM6:Nov 70:2127:7643
TR:136:113

Moore, Raymond E.
See Paul Leung, PO4:Dec 71:729:8565
See Paul Leung, PO4:Dec 71:749:8564

Moore, Robert C.
Pilot Plant Testing for Municipal Sewage Treatment, SA2:Apr 70:573:7242
TR:136:922

Moorhouse, Douglas C.
Sand Densification by Heavy Vibratory Compactor, with Gerald L. Baker, SM4:July 69:985:6656
Dsc: John H. Schmertmann, SM1:Jan 70:363: 6989
TR:136:1082
Sand Densification by Heavy Vibratory Compactor, with Gerald L. Baker, PISST:pp.379-388, 1971
Dsc: John H. Schmertmann, PISST:pp.389-391, 1971

Moorman, Robert B.B.
Guide for the Design of Aluminum Formed-Sheet Building Sheathing, ST8:Aug 69:1727:6744
Dsc: Herbert S. Saffir, ST1:Jan 70:165:6990
Clo: ST12:Dec 70:2656:7714
TR:136:195
See Roy Levy, EM2:Apr 71:495:8057

Moraes, Carlos de Campos
Experiments of Wave Reflexion on Impermeable Slopes, 12CEC:pp.509-521, 1971
See Manuel Mendes de Carvalho, 12CEC:pp.65-83, 1971

Morales, Ray
Youth Makes Waves About Dirty Water, with Ralph Wagner, CWFE:Mar 71:43

Morel-Seytoux, Hubert J.
See Richard L. Brustkern, HY12:Dec 70:2535:7743
See Hiroshi Nakamichi, IR2:June 71:275:8201

Moretto, Oreste
See Carlos A. Micucci, 4PCSM:pp.307-317, 1971

Morgali, James R.
Laminar and Turbulent Overland Flow Hydrographs, HY2:Feb 70:441:7069
Dsc: Chun-Tsung Wang and Harry G. Wenzel, Jr., HY7:July 70:1660:7384; Arie Ben-Zvi, HY12:Dec 70:2628:7711
Clo: HY7:July 71:1136:8223
TR:136:998

Morgan, Ernest D.
See Gilbert L. Brown, SM1:Jan 71:119:7820

Morgan, Jack R.
Behavior of Sands Under Surface Loads, with Charles M. Gerrard, SM12:Dec 71:1675:8577

Mori, Ruy Taiji
See Lincoln de A. Queiroz, 4PCSM:pp.293-305, 1971

Mori, Yasuo
See Richard de Neufville, TE1:Feb 70:11:7080

Morin, Thomas L.
OPBID: Competitive Bidding Strategy Model, with Richard H. Clough, CO1:July 69:85:6690
Dsc: Ralph M. Baumgarten, CO1:June 70:88: 7308; Neal B. H. Benjamin, CO1:June 70:91: 7308; Marvin Gates, CO1:June 70:93:7308
TR:136:1062
Dsc, with Augustine O. Esogbue, UP1:Apr 71:121: 8016, of "Economics of Solid Waste Investment Decisions", UP1:Mar 70:65:7151
See Augustine O. Esogbue, HY10:Oct 70:2137:7568

Morris, Charles D.
See Henry Liu, HY2:Feb 70:565:7101

Morris, Glenn A.
Approximate Yield Surface Equations, with Steven J. Fenves, EM4:Aug 69:937:6741
Dsc: Wai F. Chen and Sakda Santathadaporn, EM2:Apr 70:188:7188
Clo: EM5:Oct 70:790:7574
TR:136:225
Elastic-Plastic Analysis of Frameworks, with Steven J. Fenves, ST5:May 70:931:7293
TR:136:898

Morris, J. Carrell
Disinfectant Chemistry and Biocidal Activities, NSCD:pp.609-633, 1971
See John E. Delaney, NSCD:pp.61-84, 1971

Morris, Paul
Memoir of, TR:136:1357

Morris, Robert L.
Social Considerations of Urban Transportation Systems, TE3:Aug 70:333:7471
Dsc: Labh S. Sachdev, TE1:Feb 71:168:7864; David C. Colony, TE1:Feb 71:169:7864; Norman L. Cooper, TE1:Feb 71:170:7864
Clo: TE4:Nov 71:705:8486
TR:136:1172

Morrison, Ross A.
See Kenneth L. Lee, SM6:Nov 70:2025:7703

Morrone, Anthony
Vibrations of Stacks Supported on Steel Structures, ST12:Dec 69:2831:6965
Dsc: Ziva D. Jankou and Charles F. Reeves, ST9: Sept 70:1973:7567
Clo: ST4:Apr 71:1351:8015
TR:136:459

Morse, William L.
Stream Temperature Prediction Under Reduced Flow, Preprint No.1525, Oct 71

Moses, Fred
Reliability-Based Structural Design, with John D. Stevenson, ST2:Feb 70:221:7072
Dsc: William G. Byers, ST11:Nov 70:2537:7644
Clo: ST6:June 71:1803:8159
TR:136:547
See John D. Stevenson, ST11:Nov 70:2409:7692

Moss, Marshall E.
Dsc, HY1:Jan 71:208:7783, of "Optimum Design of Complex Water Resource Projects", HY6:June 70:1229:7320

Mosseri, Alberto
Dsc, with Carlos S. Ospina, PO1:Jan 71:255:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034

Mostafa, M. Gamal
Dsc, with Ramsay M. McDermid, HY10:Oct 71:1777:8407, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Mota Oliveira, I. B.
Natural Flushing Ability in Tidal Inlets, 12CEC:pp.1827-1845, 1971

Mote, C. D., Jr.
Nonconservative Stability by Finite Element, EM3:June 71:645:8204
Dsc: Mark Levinson, EM6:Dec 71:1756:8551

Motta, V. F.
Rio Grande Bar - The Case History of a Lagoon Outlet into a Tideless Sea, 12CEC:pp.1243-1261, 1971

Moulton, Lyle K.
Estimation of Climatic Parameters for Frost Depth Prediction, with James H. Schaub, TE4:Nov 69:605:6872
TR:136:190
Estimation of Pavement Surface Freezing Indices, with James H. Schaub, TE4:Nov 69:587:6871
TR:136:150

Mouritzen, Gunnar
Impulse Jet Vehicles, Preprint No.1422, July 71

Moustafa, Saad E.
See Arthur R. Anderson, CE:Aug 71:55

Moyer, Stanley
Thermal Discharges From Large Nuclear Plant, with Edward C. Raney, SA6:Dec 69:1131:6983
Dsc: Robert R. Faddick, ST3:June 70:858:7313
Clo: SA6:Dec 70:1444:7713
TR:136:377

Mozer, John D.
Time Dependent Behavior of Concrete Beams, with Kurt H. Gerstle and Leonard G. Tulin, ST3:Mar 70:597:7157
Errata: ST2:Feb 71:722:7867
TR:136:623

Mt. Pleasant, Russell C.
Implications of Nitrogenous BOD in Treatment Plant Design, with Warren Schlickenrieder, SA5:Oct 71:709:8469

Muddappa, S.
See T. R. Chandrasekhara, HY4:July 69:1470:6641

Mueller, John A.
See Donald J. O'Connor, SA4:Aug 70:955:7470

Mufti, Aftab A.
See Bharat L. Mehrotra, ST12:Dec 69:2863:6968
See Abdul Q. Khan, ST5:May 71:1646:8084

Muhlbauer, Karl C.
Behavior of Unsymmetrical-Continuous Folded Plates, with Fred W. Beaufait, ST12:Dec 69:2783:6958
TR:136:443

Muir Wood, A. M.
Characteristics of Shingle Beaches: The Solution to Some Practical Problems, 12CEC:pp.1059-1075, 1971

Mukherjee, Priya R.
Torsion, Bending and Shear in Prestressed Concrete, with Joseph Warwaruk, ST4:Apr 71:1063:8041
Dsc: Ganpat S. Pandit, ST12:Dec 71:2926:8557

Mukhopadhyay, Madhujit
Dsc, ST4:Apr 71:1364:8015, of "Arch Action and Bond in Concrete Shear Failures", ST6:June 70:1069:7338

Mulbarger, Michael C.
Mixed Liquor Solids Separation by Flotation, with Donald D. Huffman, SA4:Aug 70:861:7447
TR:136:983

Mulligan, Kerry W.
Clean Water Management: Objective Decisions or Emotional Reaction, CWFE:Mar 71:1
Statewide Water Quality Control Management, CWFE:Mar 71:105

Munkeby, Einar
See Ivar Holand, ST10:Oct 71:2607:8411

Munse, William H.
See Peter C. Birkemoe, ST10:Oct 69:2011:6811
See Wallace W. Sanders, Jr., ST12:Dec 69:2763:6952

Murati, Efrahim
The Practice of Foundation Engineering in the Commonwealth of Puerto Rico, 4PCSM:pp.391-402, 1971

Murley, Keith A.
Irrigation Channel Structures, Victoria, Australia, IR2:June 70:131:7371
Dsc: Fred W. Blaisdell, IR2:June 71:325:8156; Gabriel Thamo, IR3:Sept 71:525:8346
Errata: IR1:Mar 71:218:7941

Murphee, E. Lile, Jr.
Airfield Pavement Systems, with Ronald W. Woodhead and Robert H. Wortman, TE3:Aug 71:389:8283

Murphree, Edward L.
Experience with POL Environment, with John W. Melin, ST1:Jan 71:301:7835

Murphy, Emmett J.
See James M. Murphy, WW2:May 70:251:7271
See James M. Keith, 12CEC:pp.2195-2223, 1971

Murphy, James M.
Harbor Study for San Nicholas Bay, Peru, with Emmett J. Murphy, WW2:May 70:251:7271
Dsc: Orville T. Magoon, WW1:Feb 71:218:7868; Basil W. Wilson, WW2:May 71:408:8086; Li-San Hwang and David Divoky, WW2:May 71:412:8086

Murphy, Keith L.
Longitudinal Mixing in Spiral Flow Aeration Tanks, with Boris I. Boyko, SA2:Apr 70:211:7200
TR:136:1210

Murphy, R. Sage
See Sherwood C. Reed, SA4:Aug 69:747:6747

Murphy, Richard J.
See William E. Schaefer, Preprint No.1476, July 71

XUM

Murphy, Thomas A.
Environmental Effects of Oil Pollution, SA3:June 71: 361:8221

Murphy, Thomas E.
Control of Scour at Hydraulic Structures, Preprint No.1288, Jan 71

Murray, R. T.
Dsc, SM1:Jan 70:6989, of "Consolidation Under Constant Rates of Strain", SM2:Mar 69:519:6452

Murray, Stephen P.
Turbulence in Hurricane-Generated Coastal Currents, 12CEC:pp.2051-2068, 1971

Murray, Thomas M.
Analysis of Inelastic Suspension Structures, with Nicholas Willems, ST12:Dec 71:2791:8574

Murthy, Banavar
Dsc, HY6:June 71:877:8155, of "Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual", HY12:Dec 70:2417:7781

Murthy, K. Keshava
Dsc, with N. Seshagiri, HY12:Dec 70:2628:7711, of "Linear Proportional Weirs", HY2:Feb 70:379:7062

Murthy, Sridhara D.N.
Beam Columns on Elastic Foundations, with Archibald N. Sherbourne, TN: EM3:June 71:1033: 8160

Murthy, V. R. Krishna
Dsc, HY1:Jan 70:277:6988, of "A Theory for Heterogeneous Flow of Solids in Pipes", HY1:Jan 69:275:6354
Dsc, IR2:Mar 71:324:8156, of "One-Dimensional Infiltration into Layered Soils", IR2:June 70:121: 7343

Murty, V. V. N.
Dsc, IR4:Dec 71:655:8553, of "Evaluating Watershed Management Alternativee", IR1:Mar 71:93:7952

Muschell, James E.
Pile Tips and Barbs Prevent Ice Uplift, CE:June 70: 41
TR:136:433

Muskie, Edmund S.
See Duane L. Cronk, CE:Apr 71:40

Muspratt, Murray A.
Behavior of Simply Supported Slabs, ST12:Dec 69: 2703:6945
Dsc: H. A. Johansons, ST6:June 70:1256:7314; Robert E. Meichers, ST6:June 70:1257:7314; Manhar C. Thakkar and Jawalker K. Sridhar Rao, ST8:Aug 70:1837:7442; George I. N. Rozvany, ST3:Mar 71:969:7944
Clo: ST12:Dec 71:2881:8557
Relaxation Tests on Alloy Steel Bars, ST5:May 71: 1533:8128

Muto, Kiyoshi
Earthquake-proof Design Gives Rise to First Japanese Skyscrapere, CE:Mar 71:49

Myers, Dennis E.
Box Girder Model Studies, with Peter B. Cooper, ST12:Dec 69:2845:6966
Dsc: Graham M Groom, ST9:Sept 70:1975:7567
Clo: ST5:May 71:1635:8084
TR:136:449

Myers, Lloyd E.
Evaporation Reduction with Floating Granular Materials, with Gary W. Frasier, IR4:Dec 70:425: 7741
TR:136:1272
Opportunities for Water Salvage, CE:Jan 70:41
TR:136:19

Nagai, Shoshichiro
Pressures of Standing Waves on Vertical Wall, WW1: Feb 69:53:6408
Dsc: Yoshimi Goda, WW1:Feb 70:155:7049
Clo: WW3:Aug 70:727:7443
TR:136:34
Researches on Sea-Walls, 12CEC:p.1431, 1971

Nagataki, Shigeyoshi
Shrinkage and Shrinkage Restraints in Concrete Pavements, ST7:July 70:1333:7402
Dsc: Bengt F. Friberg, ST5:May 71:1637:8084
Clo: ST12:Dec 71:2883:8557

Naghdi, Amir K.
Cylindrical Shell Subject to Longitudinal Line Load, EM5:Oct 70:653:7617
TR:136:1246

Nahavandi, Amir N.
Power Optimization for Prescribed Thermal Pollution, with Michael Pappas, PO3:July 71:631: 8254

Nair, Keshavan
Pavement Evaluation by Wave Propagation Method, TE1:Feb 71:83:7900

Naish, Richard J.
See Andrew S. Balbiani, TE4:Nov 70:585:7672

Nakamichi, Hiroshi
Runoff Grouping for Detection of Change in Runoff, with Hubert J. Morel-Seytoux, IR2:June 71:275: 8201

Nakamura, Shigehisa
Model Study of Transformation of Tsunamis in Urado Bay, with Yuichi Iwagaki and Yoshito Tsuchiya, 12CEC:pp.2089-2102, 1971

Namikas, Daumantas
See George F. Horowitz, HY10:Oct 70:1965:7615

Nanda, Ravinder
See James J. Browne, Preprint No.1495, July 71

Nandakumaran, P.
See Jagdish Narain, SM4:July 69:969:6655

Narain, Jagdish
Model Study of Passive Pressure in Sand, with Swami Saran and P. Nandakumaran, SM4:July 69: 969:6655
Dsc: Peter L. Bransby, SM3:May 70:1061:7249; Ian K. Lee, SM3:May 70:1065:7249
TR:136:708

Narasimhan, S.
Dsc, with Nanak V. Shah, HY9:Sept 71:1530:8345, of "Forces From Submerged Jets", HY11:Nov 70: 2231:7675

Narayanaswami, Ramakrishna
Dsc, with Chiyyarath Girijavallabhan, ST8:Aug 71: 2152:8271, of "Earthquake Response of Arch Dams", ST11:Nov 70:2321:7681

Nasir, Ghulam
See Charles G. Culver, ST4:Apr 71:1239:8072

Natarajan, Murugesam
See A. Anthony Toprac, ST4:Apr 71:1203:8069

Natarajan, P.
See Mohammad Akram Gill, HY4:Apr 70:1086:7189

Nath, John H.
Dynamics of Fixed Towers in Deep-Water Random Waves, with Donald R.F. Harleman, WW4:Nov 69: 539:6924
TR:136:340
Dynamics of Single Point Mooring in Deep Water, with Michael P. Felix, WW4:Nov 70:815:7700
Dsc: Subrata K. Chakrabarti, WW3:Aug 71:588: 8272
Response of Vertical Cylinder to Random Waves, with Donald R.F. Harleman, WW2:May 70:373: 7285
TR:136:907
Two-Point Mooring System for Spar Buoy, with Steve Neshyba, WW2:May 71:295:8115
See Erich J. Plate, WW4:Nov 69:491:6904

Naudascher, Eduard
Unified Analysis of Grid Turbulence, with Cesar Farell, EM2:Apr 70:121:7214
TR:136:570

Nawy, Edward G.
Behavior of Fiber Glass Reinforced Concrete Beams, with Gary E. Neuwerth and Charles J. Phillips, ST9:Sept 71:2203:8353
Civil Engineering Education for the 1970's, CE:Aug 71:70
Crack Width Control in Reinforced Concrete Two-Way Slabs, with Glenn S. Orenstein, ST3:Mar 70: 701:7182
Dsc: G. M. Mills and V. P. Mital, ST12:Dec 70: 2673:7714
Clo: ST6:June 71:1804:8159
TR:136:883

Nayak, Irvathur Vasudeva
Equilibrium Profiles of Model Beaches, 12CEC: pp.1321-1340, 1971

Nayak, Narayan
Dsc, SM10:Oct 71:1507:8410, of "Aging Effects on Swell Potential of Compacted Clays", SM3:Mar 71: 529:7951

Nazario, Francisco
See Lincoln de A. Queiroz, 4PCSM:pp.293-305, 1971

Neale, Kenneth W.
Limit Analysis of Plates Under Combined Loads, with Niels C. Lind, EM5:Oct 70:711:7610
TR:136:1151

Neale, Lawrence C.
Chesapeake Bay Model Study for Calvert Cliffs, PO4:Dec 71:827:8602

Nece, Ronald E.
Boundary Shear Stress in Rivers and Estuaries, with Dungan J. Smith, WW2:May 70:335:7280
TR:136:871
Register of Selective Withdrawal Works in United States, Task Committee on Outlet Works, Committee on Hydraulic Structures, HY9:Sept 70: 1841:7533
TR:136:1141
Dsc, HY7:July 70:1644:7384, of "Effect of Intake Elevation and Operation on Water Temperature", HY6:Nov 69:2081:6917

Needham, Kenneth
See Richard E. Speece, SA4:Aug 71:433:8278

Neighbor, James B.
Aerated Lagoons Treat Minnesota Town's Wastes, CE:Dec 70:59
Dsc: Santosh R. Goswami, CE:July 71:40

Neill, Charles R.
River Bed Transport Related to Meander Migration Rates, TN: WW4:Nov 71:783:8491
Dsc, HY1:Jan 70:297:6988, of "Formation of Flood Plain Lands", HY3:May 69:981:6574
Dsc, HY4:Apr 70:1085:7189, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, HY5:May 70:1224:7248, of " Movement of Sand in Tunnels", HY6:Nov 69:1835:6880
Dsc, HY5:May 70:1224:7248, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891

Neilson, Frank M.
See Carl J. Huval, HY8:Aug 70:1754:7439

Nelson, Frederick C.
Dsc, ST2:Feb 70:439:7047, of "Structural Dampers", ST8:Aug 69:1661:6725

Nelson, Harold
Heavy Prestressed Girders Cast in Segments, CE:Feb 70:75
TR:136:210

Nelson, John D.
Dsc, SM10:Oct 71:1497:8410, of "Apollo 11: Soil Mechanics Results", SM6:Nov 70:2045:7704

Nelson, Mark L.
Flood Regulation by Columbia Treaty Projects, with David M. Rockwood, HY1:Jan 71:143:7798
Dsc: A. H. Blyskowski, HY9:Sept 71:1565:8345; Robert L. McFall, HY9:Sept 71:1567:8345

Nelson, Myron K.
Water Supply and Waste Water Districts in Suburbia, with R. L. Chandler, SA2:Apr 70:593:7247
TR:136:1190

Nelson, Robert A.
Origin, Purpose, and Status of Project, TE4:Nov 70: 439:7655
TR:136:1244

Nelson, Sheldon D.
See Sterling Davis, IR1:Mar 70:47:7135

Nemerow, Nelson L.
Economics from the Viewpoint of Industry, CWFE: Mar 71:279
Total Dollar Benefit of Water Pollution Control, with Robert C. Faro, SA3:June 70:665:7323
Dsc: Bruce Barker and Gerald D. Seinwill, SA1: Feb 71:124:7865
Errata: SA5:Oct 70:1292:7569
Clo: SA5:Oct 71:763:8409
TR:136:1220

Neshyba, Steve
See John H. Nath, WW2:May 71:295:8115

Nethercot, David A.
Dsc, ST3:Mar 71:1000:7944, of "Experimental Study of Flexural-Torsional Buckling", ST7:July 70:1481: 7414

Nettleton, Douglas A.
Dsc, ST2:Feb 71:739, of "Analysis of Curved Girder Bridges", ST8:Aug 70:1657:7462

Neubert, Vernon H.
Lumped Parameter Beams Based on Impedance Methods, with Hong T. Hahn and Hae Lee, EM1: Feb 70:69:7099
TR:136:544

Neuman, Shlomo P.
Variational Principles for Flow in Porous Media, with Paul A. Witherspoon, EM2:Apr 71:359:8023

Neuman, W. R.
See Kip Payne, HY4:July 69:1163:6665

Neuwerth, Gary E.
See Edward G. Nawy, ST9:Sept 71:2203:8353

Neuzil, Dennis R.
See William S. Gaither, CE:Dec 70:35

XUM

Newlin, David E.
See Wai F. Chen, Preprint No.1524, Oct 71

Newman, James E.
Photogrammetric Surveying in Highway Programs, SU2:Nov 71:297:8539
Photogrammetric Surveying in the Highway Program, Preprint No.1285, Jan 71

Newman, James Roy
Memoir of, TR:136:1359

Neyer, Jerome C.
Dsc, with Sachinder N. Gupta, SM6:Nov 70:2138:7643, of "Precompression for Improving Foundation Soils", SM1:Jan 70:111:7020
Dsc, with Sachinder N. Gupta, PISST:pp.87-89, 1971, of "Precompression for Improving Foundation Soils", PISST:pp.53-86, 1971

Nicholls, Jack I.
Dsc, with Clayton E. Lofthus, ST11:Nov 71:2769:8485, of "Collapse Load Analysis Using Linear Programming", ST5:May 71:1561:8127

Nichols, Denton E.
Bear Swamp Pumped Storage Project, Preprint No.1324 71

Nichols, M. Starr
See Neal E. Minshall, SA2:Apr 70:513:7238

Nichols, Maynard M.
Coastal Processes from Space Photography, 12CEC:pp.641-649, 1971

Nicklen, Robert R.
See Charles A. McCullough, SA1:Feb 71:81:7927

Nicolaescu, Ion
Automatic Cutback Furrow Irrigation System Design, with E. Gordon Kruse, IR3:Sept 71:343:8358

Nieble, Carlos M.
An Interesting Case of Stability in a Rock Fill Slope, with Paulo T. Cruz, 4PSCM:pp.167-177, 1971

Nielsen, Arne Hasle
See Per Roed Jakobsen, 12 CEC:pp.1513-1521, 1971

Nielsen, John P.
Implications of Using Layered Theory in Pavement Design, TE4:Nov 70:495:7662
Dsc: Richard G. Ahlvin, Yu-Tang Chou and Harry H. Ulery, Jr., TE4:Nov 71:711:8486

Nigam, Navin C.
Yielding in Framed Structures Under Dynamic Loads, EM5:Oct 70:687:7613
Errata: EM5:Oct 71:1558:8406
TR:136:1125

Nilson, Arthur H.
Dsc, ST12:Dec 69:3004:6932, of "Buckling of Light-Gage Corrugated Metal Shear Diaphragms", ST7:July 69:1497:6683

Nisbet, James W.
Dsc, WW4:Nov 71:761:8488, of "Framework Plan for Ohio Basin Navigation to 2020", WW3:Aug 70:665:7473

Nishiki, Tatsuo
Overloads on Japan's 130 mph Railroad Structures, with Shunta Shiraishi, ST6:June 70:1017:7325
Clo: ST4:Apr 71:1363:8015
TR:136:945

Nnaji, Soronadi
Dsc, IR2:June, 71:340:8156, of "Optimal Design of Furrow Length of Surface Irrigation", IR3:Sept 70:319:7543

Noda, Edward K.
Fourier Analysis of Transient Wave System, WW4:Nov 71:663:8535
See Robert L. Wiegel, WW2:May 70:307:7279
See Anat Arbhabhirama, HY12:Dec 70:2674:7711

Noland, Jimmy L.
Formulation of Decision Logic Tables, with Chuan C. Feng, ST1:Jan 71:439:7855
Dsc: Surendra K. Goel, ST12:Dec 71:2892:8557

Noorany, Iraj
Engineering Properties of Submarine Soils: State-of-the Art Review, with Stanley F. Gizienski, SM5:Sept 70:1735:7536
Dsc: Adolph G. Altschaeffl and Philip J. Valent, SM5:May 71:820:8083; Michel Ph. Gambin, SM6:June 71:937:8158

Nordin, Carl F.
See Ronald E. Rathbun, HY9:Sept 71:1305:8364
See Harvey E. Jobson, HY9:Sept 71:1541:8345

Nordlund, Reymond L.
Collapse of Fargo Grain Elevator, with Don U. Deere, SM2:Mar 70:585:7172
Errata: SM1:Jan 71:257:7785
TR:136:847

Norling, Leonard T.
See Carl R. Wilder, SM4:July 70:1476:7385

Normann, Jerome M.
Dsc, HY8:Aug 71:1243:8267, of "Effects of Helix Angle on Flow in Corrugated Pipes", HY11:Nov 70:2253:7685

Norrie, Kenneth P.
Licensure of Planners and Its Effect on Civil Engineers, PP1:Oct 71:161:8463

Norris, Dan P.
See Joseph A. Cotteral, Jr., SA4:Aug 69:715:6735

Norris, Robert A.
See Michael D. Disko, 12CEC:pp.1847-1866, 1971

Norum, Donald I.
Infiltration Equations from Rate-of-Advance Data, with Don M. Gray, IR2:June 70:111:7331
TR:136:696

Notess, Charles B.
Demand-Activated Transportation for the Elderly, with Robert E. Paaswell, Preprint No.1462, July 71

Novak, James R.
Major Research Studies on Signs, Lights and Guardrails, with Krieger W. Henderson, Jr., TE4:Nov 70:523:7663
TR:136:1263

Novak, Milos
Aeroelastic Instability of Prisms in Turbulent Flow, with Alan G. Davenport, EM1:Feb 70:17:7076
TR:136:495
Data Reduction from Nonlinear Response Curves, EM4:Aug 71:1187:8300
Prediction of Footing Vibrations, SM3:May 70:837:7268
TR:136:923
Dsc, EM2:Apr 70:186:7188, of "Finite Dynamic Model for Infinite Media", EM4:Aug 69:859:6719

Novick, David A.
See James W. McPhillips, Preprint No.1563, Oct 71

Nowatzki, Edward A.
A Theoretical Assessment of the SPT, 4PCSM:pp.45-61, 1971

XUM

Nugent, Maynard Charles
Community Service and Urban Problems: Can Civil Engineers Make a Contribution?, CE:Jan 70:53
TR:136:54

Nunez, E.
See O. A. Varde, 4PCSM:pp.179-187, 1971

Nur, Amos M.
See Joseph J. Spranza, SM12:Dec 71:1623:8586

Obin, Jean-Pierre
See J. P. Boehler, SM10:Oct 71:1493:8410

Obrician, Vladimir
See John Lowe, III, SM1:Jan 69:77:6327

O'Brien, John T.
Full Scale Observation of Berthing Impacts: Their Interpretation, BMS:pp.203-205, 1971
Dsc: Theodore T. Lee, BMS:p.206, 1971
Full Scale Observation of the Behavior of Moored Ships, BMS:pp.130-132, 1971
Dsc: Robert C. H. Russell, BMS:p.143, 1971; John T. O'Brien, BMS:p.144, 1971
Seiches and Other Causes of the Motion of Ships Already Moored, BMS:pp.20-26, 1971
Dsc, BMS:p.144, 1971, of "Full Scale Observation of the Behavior of Moored Ships", BMS:pp.130-132, 1971

OBrien, Morrough P.
Dsc, HY6:Nov 69:2168:6866, of "Salinity Intrusion Effects in Estuary Shoaling", HY1:Jan 69:9:6340

O'Brien, Thomas J.
Orthophotomapping for Prudhoe Bay Development, SU2:Nov 71:199:8499

O'Brien, W. Terence
Behavior of Loaded Cable Systems, ST10:Oct 68: 2281:6162
TR:136:627

Ockert, William C.
See Robert N. Young, TE2:May 71:347:8131

O'Connor, Brian A.
Suspended Load Calculations in a Tidal Estuary, 12CEC:pp.1931-1950, 1971

O'Connor, Colin
See James H. Lee, ST11:Nov 69:2371:6889

O'Connor, Donald J.
Photosynthesis and Oxygen Balance in Streams, with Dominic M. Di Toro, SA2:Apr 70:547:7240
TR:136:1201
Water Quality Model of Chlorides in Great Lakes, with John A. Mueller, SA4:Aug 70:955:7470
TR:136:1144

O'Connor, John T.
Control of Bacterial Growths in Rapid Sand Filters, with Kalyanpur Y. Baliga, SA6:Dec 70:1377:7767
Dsc: Hans S. Posselt, SA5:Oct 71:771:8409
Iron Removal Using Magnesium Oxide, with Barrett E. Benson, SA6:Dec 70:1335:7740
TR:136:1328
See Surinder K. Kapoor, NSCD:pp.179-188, 1971

Odar, Fuat
See Yin-Chao Yen, EM5:Oct 70:641:7607

O'Dell, Martin
See A. Roy Halliwell, 12CEC:pp.1959-1977, 1971

Odom, James Julius
Memoir of, TR:136:1360

O'Donnell, Terence
See Eric M. Laurenson, HY6:Nov 69:1899:6887
See Richard P. Ibbitt, HY9:Sept 71:1331:8370

Odum, Eugene P.
Territorial Behavior and Preservation in Relation to Environmental Quality, ABS:pp.53-60, 1971

Oganovic, Nicholas J.
Civil Engineer in Federal Government, PP1:Sept 70: 9:7546
TR:136:879

Ogden, David W.
See Graham H. Powell, ST5:May 69:909:6563

Oglesby, Clarkson H.
See James Douglas, CO1:July 69:142:6640

O'Hara, John W.
See J. George Thon, PO1:Jan 70:157:7039

O'Hara, Wayne G.
Dsc, CE:Dec 71:59, on Rapid Determination of Plasticity Index, CE:May 71:74

Ojalvo, Morris
Dsc, ST1:Jan 70:165:6990, of "Limit Analysis of Structures", ST9:Sept 69:1901:6778
See Shyam N. Shukla, ST6:June 71:1763:8209

Ojha, Surendra K.
Dsc, ST3:Mar 71:983:7944, of "Arch Action and Bond in Concrete Shear Failures", ST6:June 70: 1069:7338

Okcuoglu, Cetin A.
See Frank C. Hartzell, Jr., PO3:June 70:486:7312

Okun, Daniel A.
New Directions for Wastewater Collection and Disposal, CWFE:Mar 71:157

Olander, Harvey C.
Design of Cylindrical Concrete Water Tanks, ST5: May 70:947:7303
TR:136:924
Study of Pipe with Concrete Bedding-Part II, with Gordon G. Robertson, TE1:Feb 70:25:7087
TR:136:324

Oldham, Mason B., Jr.
Water Resources Planning For Pascagoula Basin, with John W. Rushing, WW1:Feb 70:65:7060
TR:136:383

Oline, Larry W.
Strain Rate Effects in Particulate-Filled Epoxy, with Russell Johnson, EM4:Aug 71:1159:8314

Olitt, Arnold
Retirement Plan Study, PP1:Sept 70:39:7552
TR:136:921

Olivieri, Vincent P.
Inactivation of Virus in Sewage, with Thomas K. Donovan and Kazuyoshi Kawata, NSCD:pp.365-384, 1971
Inactivation of Virus in Sewage, with Thomas K. Donovan and Kazuyoshi Kawata, SA5:Oct 71:661: 8419

O'Loughlin, Emmett M.
Dsc, with David L. Short, &HY10:Oct 71:1771:8407, of "Implicit Flood Routing in Natural Channels", HY12:Dec 70:2481:7773

Olsen, J. C.
Dsc, CE:June 70:44, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Olsen, Robert N.
Open-Shop Movement Slithers Into Construction Contracting, CE:Nov 71:40

XUM

Olsen, Roy E.
Control of Deformation Rates in Soil Testing, with Vincent J. McDonald and James N. Sterner, TN: SM1:Jan 71:283:7787

Olson, James P.
Predicting Effective Stress Paths, with Harvey E. Wahls, TN: SM8:Aug 71:1139:8307

Olson, Robert M.
Design Requirements for Safer Highway Bridge Rails, with Edward R. Post and Don L. Ivey, TE2:May 71:291:8125

Olson, Roy E.
Mechanisms Controlling Compressibility of Clays, with Gholamreza Mesri, SM6:Nov 70:1863:7649
Dsc: Asuri Sridharan and Guda Venkatappa Rao, SM6:June 71:940:8158; Kolinjuvadi S. Sankaran and D. Venkateswara Rao, SM7:July 71:1038:8224; Sam Frydman, Jan Kinsky and Israela Ravina, SM8:Aug 71:1124:8270
Session IV: Other Improvement Techniques (Additives, Grouting, Thermal, Electro, Vibroflotation, Blasting, Compaction, Piles), PISST: pp.91-92, 1971

O'Neill, Ian C.
See Frank W.F. Waitt, HY3:May 69:787:6531
See Alan K. Parkin, HY7:July 70:1645:7384

O'Neill, Michael W.
Dsc, SM9:Sept 71:1350:8347, of "Lumped Parameter Beams Based on Impedance Methods", SM4:Apr 71:661:8052
See Lymon C. Reese, SM1:Jan 70:235:7032
See Lymon C. Reese, WW2:May 70:433:7291

Ongerth, Jerry E.
See Truett V. DeGeare, SA6:Dec 71:843:8589

Oppenlander, Joseph C.
See Salim S. Hejal, TE2:Feb 71:1:7877

Oran, Cenap
Upper Bounds in Complementary Energy Method, EM4:Aug 71:1093:8289

Orchard, R. J.
Dsc, SM6:Nov 70:2162:7643, of "State of Predictive Art in Subsidence Engineering", SM2:Mar 70:721:7187

Orenstein, Glenn S.
See Edward G. Nawy, ST3:Mar 70:701:7182

Orlob, Gerald T.
Temperature Variations in Deep Reservoirs, with Lawrence G. Selna, HY2:Feb 70:391:7063
Dsc: Yu Leuk Choi, HY10:Oct 70:2154:7568
TR:136:913
See George K. Young, HY4:Apr 70:911:7209

Orme, Donald H.
Construction Self-Weight Stresses of Precast Shear Walls, with Reginald G. Smith and William R. Tinch, ST1:Jan 71:393:7840

Orosco, Rudolph
See Richard E. Speece, SA3:June 70:715:7348

Orsborn, John F.
Drainage Density in Drift-Covered Basins, HY1:Jan 70:183:7033
Dsc: Michael C. Roberts and Peter C. Klingeman, HY7:July 70:1656:7384
Clo: HY2:Feb 71:352:7863
TR:136:436

Orth, H. Richard
Public Attitude Toward Transportation Issues, with Walter Cherwony, TE3:Aug 70:365:7478
TR:136:1147

Ortiz, Jaime
Movement of Salts in Ponded Anisotropic Soils, with James N. Luthin, IR3:Sept 70:257:7530
TR:136:1186

Orton, Ivan
See David A. Alley, CE:Sept 71:88

Osborn, Herbert B.
See Kenneth G. Renard, HY3:Mar 70:773:7161

O'Shea, John B.
The CPM-by-Calendar Algorithm, CO2:Oct 68:139:6142
TR:136:572

Ospina, Carlos S.
See Alberto Mosseri, PO1:Jan 71:255:7784

Oster, Clarence A.
See John C. Sonnichsen, SA2:Apr 70:353:7219

Oswald, William J.
See Gedalia Shelef, SA1:Feb 70:91:7105

Ott, Charles R.
Theoretical Analysis of Activated Sludge Dynamics, with Richard H. Bogan, SA1:Feb 71:1:7879
Dsc: Ritchie D. Mikesell, SA5:Oct 71:773:8409
Theoretical Evaluation of Filter Modeling Experiments, with Richard H. Bogan, SA2:Apr 70:455:7233
Dsc: Kenneth J. Ives, SA6:Dec 70:1458:7713; Jerry Y.C. Huang and E. Robert Baumann, SA6:Dec 70:1460:7713
Clo: SA4:Aug 71:526:8269
TR:136:838

Overby, Ragnar
See J. Donald Johnson, NSCD:pp.37-60, 1971
See J. Donald Johnson, SA5:Oct 71:617:8425

Ozaki, Shigeo
See Takeshi Ijima, 12CEC:pp.1537-1556, 1971

Paaswell, Robert E.
The Engineer and Social Responsibility, CE:June 71:82
Homogeneity Analysis and Planning Studies, UP2:Dec 71:125:8561
See Emmanuel Partheniades, HY3:Mar 70:755:7156
See Charles B. Notess, Preprint No.1462, July 71

Pacelli, Alfred J.
Surveys for South Shore Rapid Transit Construction, SU1:May 71:133:8148

Padmanabhan, G.
See Ramaswamy Sakthivadivel, HY10:Oct 71:1767:8407

Padmanabhan, M.
Dsc, HY10:Oct 71:1789:8407, of "Hydraulic Jump Within Gradually Expanding Channel", HY1:Jan 71:31:7831

Pagan, Alfred R.
Temporary Bypass Bridge Designed for Salvage, CE:Mar 70:51
Dsc: C. F. Hamlin, CE:Sept 70:72
TR:136:267

Pages, Andre Pierre X.
Model Investigation of Berthing Impacts, BMS:pp.209-214, 1971
Dsc: Pierre Giraudet, BMS:pp.220-222, 1971; Albert Steenmeyer, BMS:pp.220-223, 1971
Dsc, BMS:pp.264-265, 1971, of "Design Criteria for Fenders and Berthing Structures", BMS:pp.256-259, 1971

Pahl, Peter J.
See John M. Biggs, ST1:Jan 71:13:7816

Paine, Nicholas
Dsc, HY3:Mar 71:462:7940, of "Optimum Design of Complex Water Resource Projects", HY6:June 70:1229:7320

Painter, David J.
See Alex J. Sutherland, HY7:July 71:1031:8233

Pais-Cuddou, I. C. dos M.
Sedimentation of Reservoirs, with Shri N. C. Rawel, IR3:Sept 69:415:6789
Dsc: Abhimanyu Swain, IR2:June 70:226:7311
Clo: IR1:Mar 71:214:7941
TR:136:183

Palacios H., P.
See Hans Hasen, Preprint No.1413, Apr 71

Palacios H., P. H.
See Hans Hasen, CE:Dec 71:55

Palazotto, Anthony N.
Dsc, EM5:Oct 71:1576:8406, of "Inelastic Buckling of Axisymmetric Shells", EM6:Dec 70:1107:7765

Palmer, Mervin D.
Dispersion Prediction from Current Meters, with J. Bryan Izatt, HY8:Aug 71:1667:7464
Dsc: Hugo B. Fischer, HY6:June 71:875:8155
Errata: HY4:Apr 71:626:8012
Clo: HY9:Sept 71:1527:8345
TR:136:1114

Palmer, Robert Q.
Honolulu Reef Runway Dike, with James R. Walker, 12CEC:pp.1629-1646, 1971

Panak, John J.
See Hudson Matlock, EM4:Aug 71:1083:8282

Pandit, Ganpat S.
Dsc, ST1:Jan 70:153:6990, of "Ponding of Liquids on Flat Roofs", ST5:May 69:797:6539
Dsc, ST3:Mar 70:732:7116, of "Rotation Capacity of Beams Under Moment Gradient", ST6:June 69:1173:6599
Dsc, ST3:Mar 70:739:7116, of "Elastic Stability of Continuous Beams", ST6:June 69:1295:6632
Dsc, ST4:Apr 70:852:7191, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389:6667
Dsc, ST4:Apr 70:870:7191, of "Photoelastic Study of Beams on Elastic Foundations", ST8:Aug 69:1713:6739
Dsc, ST5:May 70:734:7116, of "Reinforced Concrete Beams Under Repeated Loads", ST6:June 69:1189:6601
Dsc, ST6:June 70:1212:7314, of "Plastic Bending of A514 Steel Beams", ST9:Sept 69:1851:6762
Dsc, ST6:June 70:1241:7314, of "Local Plastic Buckling of A514 Steel Members", ST9:Sept 69:1837:6761
Dsc, ST6:June 70:1245:7314, of "Diagonal Tension Cracking in Concrete Beams with Axial Forces", ST9:Oct 69:1887:6776
Dsc, ST7:July 70:1606:7386, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824
Dsc, ST8:Aug 70:1813:7442, of "Behavior of Stiffened Curved Plate Model", ST11:Nov 69:2353:6876
Dsc, ST8:Aug 70:1823:7442, of "Deep Slabs Subjected to Static and Blast Loading", ST11:Nov 69:2449:6919
Dsc, ST9:Sept 70:1970:7567, of "Behavior of Concrete under Compressive Loadings", ST12:Dec 69:2543:6935
Dsc, ST9:Sept 70:1972:7567, of "Nonuniform Torsion of Steel Beams in Inelastic Range", ST12:Dec 69:2813:6964
Dsc, ST2:Feb 71:732:7867, of "Concrete Beams in Bending, Torsion and Shear", ST5:May 70:885:7270
Dsc, ST2:Feb 71:735:7867, of "What Do We Know About Torsion in Concrete Members", ST6:June 70:1185:7372
Dsc, ST4:Apr 71:1374:8015, of "Torsion, Shear, and Bending on Stirruped L-Beams", ST7:July 70:1271:7419
Dsc, ST6:June 71:1826:8159, of "Plastic Design of Coupled Frame-Shear Wall Structures", ST9:Sept 70:1861:7505
Dsc, ST7:July 71:2025:8225, of "Horizontal Thermal Movement of Curved Bridge Decks", ST10:Oct 70:2037:7590
Dsc, ST8:Aug 71:2155:8271, of "Fatigue Tests of Prestressed Concrete I-Beams", ST11:Nov 70:2443:7705
Dsc, ST9:Sept 71:2435:8348, of "Analysis of Orthotropic Reinforced Concrete Structures", ST12:Dec 70:2607:7782
Dsc, ST11:Nov 71:2766:8485, of "Flexural Rigidity of Concrete Column Sectione", ST2:Feb 71:573:7933
Dsc, ST12:Dec 71:2922:8557, of "Hypothesis for Shear Failure of Brickwork", ST4:Apr 71:1055:8029
Dsc, ST12:Dec 71:2926:8557, of "Torsion, Bending and Shear in Prestressed Concrete", ST4:Apr 71:1063:8041

Panfill, Robert N.
See Allen F. Lubina, TE4:Nov 71:651:8516

Panicker, N. N.
Directional Spectra From Wave-Gage Arrays, with Leon Emry Borgman, 12CEC:pp.117-136, 1971

Pant, Shiva K.
Grouping Algorithms for Statewide Loadmeter Surveys, with Frederick J. Wegmann, TE3:Aug 71:421:8288

Panuzio, Frank L.
Jamaica Bay Hurricane Barrier, 12CEC:pp.2069-2088, 1971

Papo, Haim B.
See Ron K.H. Adler, SU1:Oct 69:93:6846

Pappas, Michael
See Amir N. Nahavandi, PO3:July 71:631:8254

Paramasivam, P.
Buckling of Plates of Abruptly Varying Stiffness, with Jawalker K. Sridhar Rao, ST6:June 69:1313:6635
TR:136:744
Dsc, ST7:July 70:1613:7386, of "Buckling Loads of Nonuniform Columns", ST11:Nov 69:2419:6908

Parcher, James V.
See Venkatraman Srinivasan, SM10:Oct 71:1504:8410

Pardee, Lyall A.
Use of Air Space Over Freeway Systems, UP1:Apr 69:61:6519
Dsc: Robert L. McFall, UP1:Mar 70:102:7119
TR:136:788

Pardus, Ivo
See Peter Kos, SA2:Apr 70:642:7190

Parekh, Chandrakant J.
See Olgierd C. Zienkiewicz, ST8:Aug 70:1838:7442
See Peter W. France, IR1:Mar 71:165:7959

Pariseau, William
See Barry Voight, SM2:Mar 70:721:7187

Parisi, A. M.
See Cheng Y. Yang, 12CEC:pp.2011-2030, 1971

Park, Robert
See Robert B. Knowles, ST12:Dec 69:2565:6936
See Robert B. Knowles, ST10:Oct 70:2125:7597
See Dudley Charles Kent, ST7:July 71:1969:8243

XUM

Parker, Denny S.
Dsc, SA5:Oct 71:793:8409, of "Physical Behavior of Flocculent Suspensions in Upflow", SA2:Apr 71: 209:8054

Parker, Frank L.
Status of Radioactive Waste Disposal in U.S.A., SA3: June 69:439:6597
TR:136:796
See Edward M. Polk, Jr., HY10:Oct 71:1639:8446

Parker, Henry W.
See James Douglas, CO1:July 69:142:6640

Parkhurst, John D.
Regional Planning Sewerage Systems, CWFE:Mar 71: 337
Wastewater Reuse--A Supplemental Supply, SA3: June 70:653:7318
Errata: SA2:Apr 71:231:8013
TR:136:942

Parkin, Alan K.
Field Solutions for Turbulent Seepage Flow, SM1:Jan 71:209:7794
Dsc, SM3:May 70:1080:7249, of "Elastic Behavior of Sand", SM6:Nov 69:1393:6916
Dsc, with Ian C. O'Neill, HY7:July 70:1645:7384, of "Nonlinear Flow in Porous Media by Finite Elements", HY6:Nov 69:2093:6927

Parkinson, Geoffrey V.
Dsc, EM3:June 71:1023:8154, of "Lift-Oscillator Model of Vortex-Induced Vibration", EM5:Oct 70: 577:7606

Parkinson, Tom E.
See Richard M. Soberman, Preprint No.1446, July 71

Parks, Gary A.
See H. Gordon Jensen, ST1:Jan 70:49:7007
See H. Gordon Jensen, ST8:Aug 70:1814:7442

Parks, Vincent J.
Dsc, EM4:Aug 70:503:7438, of "Determination of Signs in Moire Method", EM6:Dec 69:1379:6963
See August J. Durelli, ST8:Aug 69:1713:6739
See August J. Durelli, EM4:Aug 70:407:7481

Parmelee, Richard A.
Seismic Design of Soil-Structure Systems, with John H. Wronkiewicz, ST10:Oct 71:2503:8437

Parnes, Raymond
Dynamic Response of Imbedded Cylindrical Shell, EM2:Apr 71:421:8073

Parrillo, Thomas P.
See Sudershan Malhotra, SA5:Oct 71:629:8432

Parsonson, Peter S.
Instruction in Urban Planning for Civil Engineers, UP1:Mar 70:23:7127
Dsc: Myron M. Jacobs, UP2:Oct 70:166:7571
Clo: UP2:Dec 71:241:8558
TR:136:1303

Partheniades, Emmanuel
Erodibility of Channels With Cohesive Boundary, with Robert E. Paaswell, HY3:Mar 70:755:7156
Dsc: Rakhishwar N. Bhasin, HY9:Sept 70:1918: 7497; M. Krishnamurthy and K. V.N. Sarma, HY12:Dec 70:2658:7711; Thomas Blench, HY12:Dec 70:2659:7711
Clo: HY12:Dec 71:2078:8552
Dsc, HY1:Jan 70:264:6988, of "Salinity Intrusion Effects in Estuary Shoaling", HY1:Jan 69:9:6340
Dsc, with Paul H. Blinco, HY1:Jan 70:272:6988, of "Some Turbulence Measurements in Open-Channel Flow", HY1:Jan 69:209:6349

Parti, Ernest W.
See Tung Au, CO1:July 69:1:6645
See Tung Au, CO1:July 69:11:6646

Paslay, Paul R.
Analysis of the Triaxial Test for Granular Soils, with Jay B. Weidler, EM3:June 69:587:6611
TR:136:1063
See Jay B. Weidler, EM2:Apr 69:379:6491
See Jay B. Weidler, EM4:Aug 70:395:7475

Patel, Jayant P.
Dsc, with Arvind P. Mody, HY12:Dec 70:2620:7711, of "Channel Slope Effect on Peak Discharge of Natural Streams", HY2:Feb 70:307:7052

Patrick, Donald A.
Multi-year Construction Contracts, CE:Jan 71:65

Patrick, James G.
Development of Wells Hydroelectric Project, PO2: Mar 71:267:7967
Wells Dam: Powerplant and Spillway Combined, with Harris H. Burke, Robert T. Loder and Michael W. Erho, CE:Oct 70:61
TR:136:1061

Patterson, James W.
See Patrick L. Brezonik, SA6:Dec 71:813:8581

Patton, F. D.
See Don U. Deere, 4PCSM:pp.87-170, 1971

Paul, Igor L.
Adhesion Control in High-speed Wheel-rail Interaction, Preprint No.1522, July 71

Paul, Stanley L.
Structural Behavior of Prestressed Concrete Reactor Vessels, ST7:July 71:1879:8249

Paulay, Thomas
Coupling Beams of Reinforced Concrete Shear Walls, ST3:Mar 71:843:7984
Simulated Seismic Loading of Spandrel Beams, ST9: Sept 71:2407:8365

Paulding, Bartlett W., Jr.
Coefficient of Friction of Natural Rock Surfaces, SM2:Mar 70:385:7121
Dsc: James V. Hamel, SM5:Sept 70:1833:7499
Clo: SM4:Apr 71:685:8014
TR:136:538

Pavone, Anthony
Comprehensive Public Water Supply Planning, SA5: Oct 71:745:8450

Pavoni, Joseph L.
Dsc, with Donald J. Hagerty, SA2:Apr 71:243:8013, of "Adsorption of Pesticides by Clay Minerals", SA5:Oct 70:1057:7603
See Wayne F. Echelberger, Jr., NSCD:pp.563-583, 1971
See Donald J. Hagerty, SA3:June 71:384:8157

Payne, Harold J.
Systems Problems in Freeway Traffic Control and Surveillance, Preprint No.1511, July 71

Payne, Kip
Daily Streamflow Simulation, with W. R. Neuman and K. D. Kerri, HY4:July 69:1163:6665
Dsc: Krishan P. Singh, HY4:Apr 70:1046:7189; David McGinnis, Jr. and William H. Sammons, HY5:May 70:1201:7248
Clo: HY1:Jan 71:167:7783
TR:136:140

Pazwash, Hormoz
Fluid-Dynamic Consideration of Bottom Materials, with James M. Robertson, HY9:Sept 71:1317:8374

Peacock, William H.
See H. Bolton Seed, SM8:Aug 71:1099:8330

Peck, Ralph B.
See J. Ronald Sallen, PO2:Oct 69:227:6841

See Donald J. Hagerty, SM11:Nov 71:1513:8497

Pecknold, David A.
Finite-Element Analysis of Skewed Shallow Shells, with William C. Schnobrich, ST4:Apr 69:715:6523
TR:136:725

Peddieson, John, Jr.
See Chien-Yung Wei, TN: EM4:Aug 71:1343:8273

Peir, Jong-Cherng
See Alfred G. Bishara, ST12:Dec 68:2913:6305

Peirce, Robert W.
Dsc, PO1:Jan 71:258:7784, of "Basic Structural Design of Concrete Chimneys", PO3:June 70:309:7334
Dsc, PO1:Jan 71:264:7784, of "Concrete Chimney Design, Construction and Operation", PO3:June 70:449:7368

Pen, M.
See E. M. Davis, NSCD:pp.539-561, 1971

Pendakur, V. Setty
Dsc, with K. Sukumaran, TE4:Nov 71:717:8486, of "Planning for Campus Traffic and Parking", TE1:Feb 71:63:7880
Dsc, with Henry Ropertz, UP2:Dec 71:246:8558, of "A Program For New Towns", UP1:Apr 71:55:8059

Penn, Henry
Memoir of, TR:136:1361

Penzien, Joseph
See Mostafa Dibaj, SM2:Mar 69:541:6453
See Anil K. Malhotra, EM6:Dec 70:985:7777
See Patricio Ruiz, EM2:Apr 71:441:8050

Perez, Adrian J.
Estimating Beam Size, CE:Dec 71:67

Perez, Armando I.
Simulation Model for Flow Augmentation Costs, with John C. Schaake, Jr. and Edwin E. Pyatt, HY1:Jan 70:131:7026
TR:136:429

Perez, Himerio J.
See Henry Liu, HY7:July 71:923:8235

Perliter, Simon
To Unite or Not to Unite, Preprint No.1440, July 71

Perrone, Nicholas
Response of Rate-Sensitive Frames to Impulsive Loads, EM1:Feb 71:49:7890

Perrotta, J. H.
See S. Redner, PL1:Oct 68:107:6180

Perry, Byrne
See Theodor R. Mogel, 12CEC:pp.899-917, 1971

Persons, Bob
Dsc, CE:Feb 71:66, on Is Technology Relevant?, CE:Oct 70:44

Perumalswami, P. R.
See Anil K. Chopra, EM2:Apr 71:181:8049

Pesman, Gerard H.
Dsc, SU2:Nov 71:337:8487, of "Coordinates Versus Confusion", SU2:Sept 70:191:7528

Peters, John
See Bill S. Eichert, HY7:July 70:1455:7412

Peters, John C.
Montana Highway and Wildlife Professions Cooperate, CE:Nov 70:58
Dsc: Montana's Preservation System, John C. Peters, CE:Apr 71:71
TR:136:1123
Dsc, CE:Apr 71:71, on Montana Highway and Wildlife Professions Cooperate, CE:Nov 70:58
See Peter W. France, IR1:Mar 71:165:7959

Peterson, Allan W.
See Richard H. Cooper, HY9:Sept 70:1880:7497
See Richard H. Cooper, Preprint No.1335, Jan 71

Peterson, Dean F., Jr.
See S. Abdollah Jenab, IR3:Sept 69:361:6768

Peterson, Edward W.
Soft-Ground Tunneling Technology on the BART Project, with Peter Frobenius, CE:Oct 71:72

Peterson, Frank L.
See Doak C. Cox, HY12:Dec 71:2095:8552

Peterson, George L.
See Gorman Gilbert, Preprint No.1491, July 71
See Harvey O. Haack, UP2:Dec 71:149:8568

Petrauskas, Charles
Dsc, WW2:May 71:414:8086, of "Regression Model of Wave Forces on Ocean Outfalls", WW2:May 70:289:7275

Petryk, Sylvester
Direct Measurement of Shear Stress in a Flume, with Hsieh W. Shen, TN: HY6:June 71:883:8161

Pettibone, Howard C.
Engineering Properties of Mine Tailings, with C. Dan Kealy, SM9:Sept 71:1207:8382

Pettitt, Roland A.
Bridge Deck Protection and Resurfacing, ST4:Apr 70:791:7217
Dsc: John W Frazier, ST11:Nov 70:2546:7644
Clo: ST6:June 71:1805:8159
TR:136:909
Rapid Determination of Plasticity Index, CE:May 71:74
Dsc: Elias Zolkov, CE:Dec 71:47; Wayne G. O'Hara, CE:Dec 71:59

Petulla, Louis W.
See Stewart F. Taylor, TE2:May 70:175:7277

Peyronnin, Chester A., Jr.
Evolution of Tidewater Port, WW2:May 70:387:7287
Dsc: Gerald S. Leonards and Adolph G. Altschaeffl, SM1:Jan 71:269:7785
TR:136:949

Pfeffer, Fred M.
See Marion R. Scalf, SA5:Oct 69:817:6817

Pfeifer, Donald W.
Full-Size Lightweight Concrete Column4, ST2:Feb 71:495:7903
Dsc: Benjamin E. Lazar, ST7:July 71:2031:8225

Philipps, Donald C.
See Darrell W. Monroe, NSCD:pp.163-179, 1971

Phillips, Charles J.
See Edward G. Nawy, ST9:Sept 71:2203:8353

Phillips, Rufus C., III
Application of Computers to Airport Planning and Design, TE3:Aug 70:341:7472
TR:136:1160

Piasecki, F. N.
The Role of VTOL Aircraft in Urban Mass Transportation, NA:Mar 71:85

XUM

Piasecki, Richard J.
Dsc, CE:Oct 70:51, on A Hard Look at Civil Engineering Salaries, CE:May 70:33

Pica, Marco
See Michele Viparell, HY2:Dec 70:622:7711

Pickering, Dennison J.
See W. D. Liam Finn, SM6:Nov 70:1917:7670
See W. D. Liam Finn, SM4:Apr 71:639:8039

Piech, Kenneth R.
Aerial Color Analyses of Water Quality, with J. E. Walker, SU2:Nov 71:185:8507
Aerial Color Analysis of Water Quality, with J. E. Walker, Preprint No.1327, Jan 71

Pierce, Ira N.
Eastern Younger Member Conference Organized, CE:Aug 71:48
Philadelphia Regions' Urban Corridor Demonstration Program, NA:Mar 71:161

Pierce, Jack W.
Professionalism and Unionization-Starting a Program, PP1:Sept 70:25:7550
TR:136:962

Pignataro, Louis J.
Selected Bus Demonstration Projects, with John C. Falcocchio and Roger P. Roess, TE3:Aug 70:251:7454
TR:136:947

Pikarsky, Milton
Chicago's Crosstown Expressway, CE:Sept 70:84
TR:136:800
Chicago's Northwest Incinerator, CE:Sept 71:55
Sixty Years of Rock Tunneling in Chicago, CO2:Nov 71:189:8504
Some Thoughts on Urban Transportation Goals and Objectives, NA:Mar 71:25

Pilkey, W. D.
Determination of Dynamic Forces Using Response Observations, Preprint No.1403, Apr 71

Pillai, N. Narayana
Dsc, HY4:Apr 70:1066:7189, of "On the Concept of Mean Hydraulic Radius", HY4:July 69:1305:6691

Pillai, S. Unnikrishna
Hollow Tubular Beam-Columns in Biaxial Bending, with John S. Ellis, ST5:May 71:1399:8094
See John F. Lott, ST5:May 71:1445:8108

Pincus, George
Behavior of Wood-Concrete Composite Beams, ST10:Oct 70:2009:7592
TR:136:1170
Bonded Wood-Concrete T-Beams, ST10:Oct 69:2265:6842
Dsc: Gajanan M. Vaidya, ST5:May 70:1001:7250
Clo: ST11:Nov 70:2527:7644
TR:136:314

Pinder, George F.
See Peter C. Trescott, WW3:May 70:1115:7264

Pinjarkar, Suresh G.
See Kuang-Han Chu, ST10:Oct 71:2481:8453

Pinkney, Bruce R.
See Egor P. Popov, ST3:Mar 69:327:6441

Piper, Heinz P.
Hannover Regional Complex Including Airport, TE2:May 69:245:6534
TR:136:1233

Pirtz, David
Investigation of Deteriorated Concrete Arch Dam, with Arthur G. Strassburger and Richard C. Mielenz, PO1:Jan 70:23:6997
TR:136:300

Pise, P. J.
Dsc, SM5:May 71:810:8083, of "Pile Tests-Arkansas River Project", SM5:Sept 70:1545:7509
Dsc, SM5:May 71:811:8083, of "Lateral Load Tests on Piles-Arkansas River Project", SM5:Sept 70:1583:7510
Dsc, SM5:May 71:813:8083, of "Model Study of Laterally Loaded Piles", SM5:Sept 70:1605:7511

Pitlo, R. H.
Dsc, with M. Smit, IR3:Sept 70:364:7498, of "Triangular Broad-Crested Weir", IR4:Dec 69:493:6954

Pitts, Kerry F.
Surveys and Mapping in Water Resource Development, SU1:May 71:69:8088

Pixton, Charles E.
See Robert N. Young, TE2:May 71:347:8131

Plakida, M. E.
Pressure of Waves Against Vertical Walls, 12CEC: pp.1451-1468, 1971

Plate, Erich J.
Modeling of Structures Subjected to Wind Waves, with John H. Nath, WW4:Nov 69:491:6904
TR:136:309
Rotary Flow Meter as Turbulence Transducer, with James P. Bennett, EM6:Dec 69:1307:6955
TR:136:364
Water Surface Velocities Induced by Wind Shear, EM3:June 70:295:7351
TR:136:860

Pletta, Dan H.
To Practice or Perish, with George A. Gray, PP1:Oct 71:131:8474

Plinston, David
See Patrick H. Kemp, HY5:Sept 68:1183:6100

Plumb, Mahlon J.
Dsc, ST5:May 70:1006:7250, of "Load Distribution in Steel Railway Bridges", ST12:Dec 69:2763:6952

Podolny, Walter, Jr.
Cable-Stayed Bridges - A State of the Art, with John F. Fleming, Preprint No.1346, Jan 71

Poffenberger, James C.
Static Ending Strain in Stranded Conductor, with Puran R. Mehta, ST11:Nov 70:2429:7687
TR:136:1332

Pohland, Frederick G.
Dsc, with J. C. Martin, SA6:Dec 69:6931, of "Dynamic Model of the Anaerobic Digestion Process", SA1:Feb 69:95:6418

Pole, Gordon M.
Dsc, ST1:Jan 70:140:6990, of "New Rectangular Finite Element for Shear Wall Analysis", ST3:Mar 69:399:6464

Polk, Edward M., Jr.
Cooling Water Density Wedges in Streams, with Barry A. Benedict and Frank L. Parker, HY10:Oct 71:1639:8446

Polkowski, Lawrence B.
See Paul M. Berthouex, SA5:Oct 70:1183:7633

Pombo, Luis E.
See Milton E. Harr, SM4:July 69:933:6651

Ponce, V. Miguel
Shear Strength Of Sand At Extremely Low Pressures, with James M. Bell, SM4:Apr 71:625:8062

Poodle, Thomas
See George Fleming, HY2:Feb 69:431:7068

Poole, Allan L.
See Charles V. Gibbs, CWFE:Mar 71:65

Poon, Calvin P.C.
Metal Toxicity to Sewage Organisms, with Kiran L. Bhayani, SA2:Apr 71:161:8020
Dsc: Malay Chaudhuri and Richard S. Engelbrecht, SA6:Dec 71:944:8555

Pope, Richard G.
Dsc, SM1:Jan 70:356:6989, of "Contact Pressure of a Rigid Circular Foundation", SM3:May 69:791:6554

Popov, Egor P.
Cyclic Yield Reversal in Steel Building Joints, with Bruce R. Pinkney, ST3:Mar 69:327:6441
Dsc: William P. Vann, ST1:Jan 70:137:6990
Clo: ST8:Aug 70:1798:7442
TR:136:39
Kelvin's Solution of Torsion Problem, EM6:Dec 70:1005:7734
TR:136:1311
See Mahmoud Khojasteh-Bakht, EM3:June 70:327:7354
See Parviz Sharifi, EM5:Oct 71:1397:8417

Popovics, Sandor
Fracture Mechanism in Concrete: How Much do We Know?, EM3:June 69:531:6604
Dsc: Madhav S. Marathe, EM1:Feb 70:95:7044; Sushil Chandra, EM1:Feb 70:98:7044; Henry J. Cowan, EM1:Feb 70:101:7044; David J. Cook, EM1:Feb 70:102:7044; Neil M. Hawkins, EM2:Apr 70:167:7188; C. V.S. Kameswara Rao and Jawalker K. Sridhar Rao, EM2:Apr 70:169:7188; Kashi T. Krishnaswamy, EM2:Apr 70:171:7188
Clo: EM5:Oct 70:785:7574
TR:136:118

Popp, William E.
See Labh S. Sachdev, TE1:Feb 71:167:7864

Pora, Serif
See Aysen Ergin, WW2:May 71:279:8114

Porat, Mark M.
See Gunnar A. Harstead, PO2:Mar 71:475:7966

Porcella, Donald B.
Biological Effects on Sediment-Water Nutrient Interchange, with James S. Kumagai and E. Joe Middlebrooks, SA4:Aug 70:911:7460
TR:136:1156
See E. Joe Middlebrooks, TN: SA1:Feb 71:135:7859

Poreh, Michael
Drag Reduction in Hydraulic Transport of Solid, with Jacques L. Zakin, Aviel Brosh and Moshe Warshavsky, HY4:Apr 70:903:7208
TR:136:698
Sediment Sampling Efficiency of Slots, with Abraham Sagiv and Ido Seginer, HY10:Oct 70:2065:7637
Dsc: Satya P. Garg and Ashutosh K. Agrawal, HY7:July 71:1148:8223

Porges, Ralph
Regional Water Quality Standards, SA3:June 69:423:6596
Dsc: Irving Grossman, SA2:Apr 70:623:7190
Clo: SA5:Oct 70:1267:7569
TR:136:78

Portela, Antonio G.
The Moored Ship as an Oscillating System - The Non-linear Problem, BMS:pp.67-79, 1971

Portelo, Alferdo
See J. Laginha Serafim, ST8:Aug 70:1711:7492

Porter, D. Melville
Dsc, ST4:Apr 70:873:7191, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824
Dsc, ST3:Mar 71:978:7944, of "Analytical Model for Lateral Load Effect on Buildings", ST6:June 70:1025:7328

Porter, Lloyd R.
Southern Nevada Water Project - Water for Las Vegas, Preprint No.1286, Jan 71

Posey, Chesley J.
Protection of Offshore Structures Against Underscour, HY7:July 71:1011:8230
Dsc, HY6:June 70:1373:7310, of "Manning Formula-A Misnomer", HY1:Jan 70:193:7036
Dsc, HY4:Apr 71:600:8012, of "136", HY7:July 70:1403:7399
Dsc, HY5:May 71:736:8081, of "Computer Determination of Flow Through Bridges", HY7:July 70:1455:7412
Dsc, HY5:May 71:752:8081, of "Linear-Momentum Flux to Overbank Sections", HY9:Sept 70:1781:7517

Posey, Frank H., Jr.
Effects of Reservoir Impoundment on Water Quality, with Joseph W. DeWitt, PO1:Jan 70:173:7041
TR:136:1209

Poskitt, Trevor J.
Consolidation of Clay and Peat with Variable Properties, SM6:June 71:841:8178

Pospisil, Jaroslav
Design of Boundary Arch Dam, with Michael D. Hayes, PO1:Jan 70:73:7012
TR:136:842

Posselt, Hans S.
Dsc, SA5:Oct 71:771:8409, of "Control of Bacterial Growths in Rapid Sand Filters", SA6:Dec 70:1377:7767

Post, Edward R.
See Robert M. Olson, TE2:May 71:291:8125

Potyondy, Julius G.
Dsc, ST10:Oct 70:2235:7570, of "Strength of Concrete Filled Steel Tubular Columns", ST12:Dec 69:2565:6936

Poulos, Harry G.
Behavior of Laterally Loaded Piles: I-Single Piles, SM5:May 71:711:8092
Behavior of Laterally Loaded Piles: II-Pile Groups, SM5:May 71:733:8093
Dsc, with L. P. de Ambrosis, SM7:July 71:1040:8224, of "Deformation and Stability of Viscoelastic Soil Media", SM6:Nov 70:2081:7708
Dsc, SM9:Sept 71:1343:8347, of "Performance of Four Foundations on End Bearing Piles", SM1:Jan 71:77:7807
Dsc, SM12:Dec 71:1716:8556, of "Lumped Parameter Beams Based on Impedance Methods", SM4:Apr 71:661:8052
See Edward H. Davis, SM1:Jan 70:334:6989
See David J. D'Appolonia, SM6:June 71:881:8213
See David J. D'Appolonia, SM10:Oct 71:1359:8438

Poulos, Steve J.
Session III: Densification after Placement (Drains), PISST:pp.43-52, 1971

Powell, Graham H.
Analysis of Multibeam Bridges, with Amitava Ghose and Ian G. Buckle, ST9:Sept 69:1953:6796
TR:136:1090
Analysis of Orthotropic Steel Plate Bridge Decks, with David W. Ogden, ST5:May 69:909:6563
TR:136:1103

XUM

Elastic Lateral Buckling of Steel Beam, with Richard Klingner, ST9:Sept 70:1919:7555
Dsc: Ernest F. Masur, ST3:Mar 71:1008:7944; Dusan Krajcinovic, ST4:Apr 71:1377:8015
Theory of Nonlinear Elastic Structures, ST12:Dec 69:2687:6943
Dsc: Robert D. Cook, ST7:July 70:1621:7386; Ted Belytschko, ST8:Aug 70:1836:7442
TR:136:766
See Dag Kavlie, ST1:Jan 71:377:7846
See Eberhard Haug, ST4:Apr 71:1360:8015

Powell, Harry R.
See Jim D. King, CE:Nov 70:37

Powell, Ralph W.
Dsc, HY2:Feb 71:365:7863, of "Resistance Studies on Smooth Open Channels", HY5:May 70:1129:7266

Prabhakara, M. K.
See Kashi T. Sundara Raja Iyengar, ST3:Mar 71:807:7961

Prakash, Shamsher
Bearing Capacity of Eccentrically Loaded Footings, with Swami Saran, SM1:Jan 71:95:7814
Errata: SM12:Dec 71:1711:8556

Pranesh, Mysore R.
See Annapareddy Siva Reddy, TE3:Aug 71:511:8332

Prasad, Rama
See Kyatsandra Seetharamiah, HY6:Nov 69:2157:6866

Prasad, Ramanand
Numerical Method of Computing Flow Profiles, HY1:Jan 70:75:7005
Dsc: Singamsetti Surya Rao and Kanakatti Subramanya, HY8:Aug 70:1759:7439; Colin J. Apelt, HY10:Oct 70:2134:7568; Armando Balloffet and Robert H. Jankowski, HY10:Oct 70:2135:7568
Clo: HY6:June 71:861:8155
TR:136:546
Dsc, with Beka Udeozo, HY7:July 70:1622:7384, of "Nondimensional Gradually Varied Flow Profiles", HY5:Sept 69:1671:6790
Dsc, HY11:Nov 70:2389:7641, of "Survey of Programs for Water-Surface Profiles", HY2:Feb 70:547:7098

Prasad, Triyugi
Dsc, HY1:Jan 71:201:7783, of "Risks in Hydrologic Design of Engineering Projects", HY4:Apr 70:959:7229

Prashun, Alan L.
Dsc, HY7:July 71:1146:8223, of "Experimental Investigation of Form of Bed-Roughness", HY10:Oct 70:2029:7623

Pratt, Harold K.
Diversion at Portage Mountain Project, PO3:June 70:349:7346
Dsc: David Ellis Wright, PO1:Jan 71:260:7784
Clo: PO3:July 71:720:8256
TR:136:1178

Pratt, Richard H.
Impact of Rail Transit on Bus Operations, TE1:Feb 71:31:7881

Preis, Aaron
See Ori Ishai, EM5:Oct 70:739:7616

Preissmann, Alexandre
See Dino Zanobetti, WW2:May 70:181:7259

Price, R. K.
Recirculation in Shallow Bays and Rivers, with Robert A. Dalrymple and Robert G. Dean, 12CEC:pp.1813-1825, 1971

Price, Stanley P. E.
See Joan B. Barriage, Preprint No.1507, July 71

Price, W. A.
The Effect of Groynes on Eroded Beaches, with K. W. Tomlinson, 12CEC:pp.1053-1058, 1971
Laboratory Tests on Artificial Seaweed, with K. W. Tomlinson and D. H. Willis, 12CEC:pp.995-997, 1971

Priesing, Charles P.
See Marion R. Scalf, SA5:Oct 69:817:6817

Priha, Seppo
Hydraulic Properties of Small Unlined Rock Tunnels, HY4:July 69:1181:6672
Dsc: David Ellis Wright, HY4:Apr 70:1047:7189
Clo: HY11:Nov 70:2363:7641
TR:136:167
Lignosulphonates in Lake Paijanne Water, SA2:Apr 71:191:8021

Pritchard, Donald W.
Dispersion and Flushing of Pollutants in Extuaries, HY1:Jan 69:115:6344
TR:136:875

Pritchett, E. Edd
See George W. Reid, Preprint No.1333, Jan 71
See George W. Reid, SA4:Aug 71:479:8329

Pritchett, Susan
See George W. Reid, Preprint No.1333, Jan 71
See George W. Reid, SA4:Aug 71:479:8329

Prorok, Thaddeus J.
Dsc, CE:Feb 71:55, on Dsc, Inspector vs. Quality Eng, Dsc, CE:Oct 70:52

Prugh, Byron J.
Dsc, SM5:Sept 70:1833:7499, of "In-place Treatment of Foundation Soils", SM1:Jan 70:73:7035
Dsc, PISST:p.134, 1971, of "In-Place Treatment of Foundation Soils", PISST:pp.93-130, 1971

Pryor, Charles W., Jr.
Finite Element Bending Analysis of Reissner Plates, with Richard M. Barker and Daniel Frederick, EM6:Dec 70:967:7760
Dsc: Bharat L. Mehrotra, EM3:June 71:1026:8154; Ian M. Smith, EM4:Aug 71:1302:8266; G. Jeyaraj Wilson and James Kirkhope, EM5:Oct 71:1570:8406; Robert L. Taylor, EM5:Oct 71:1571:8406

Pugsley, Edmond B.
Dsc, HY3:Aug 70:749:7443, of "Dynamics of Ship Anchor-Lines in Waves and Currents", WW4:Nov 64:449:6888

Purcell, Graham
Dsc, CE:Apr 71:41, on Population and People, CE:Dec 70:27

Purdom, Paul W.
Air Pollution and Civil Engineers-Careers and Design Problem, CE:Feb 70:48
TR:136:250
See Robert J. Schoenberger, SA3:June 69:387:6590

Purushothaman, Krishnier
Dsc, SA5:Oct 70:1285:7569, of "Loading Rates on Waste Stabilization Ponds", SA6:Dec 69:1117:6975

Putnam, Hugh D.
See Robert E. Stewart, SA4:Aug 71:485:8340

Puzerewski, Raymond M.
See Robert W. Gerstner, ST12:Dec 71:2924:8557

Pyatt, Edwin E.
See Armando I. Perez, HY1:Jan 70:131:7026
See George R. Grantham, SA5:Oct 70:1045:7578
See Buford J. Carter, Jr., SA3:June 71:345:8203

See George R. Grantham, SA5:Oct 71:569:8429

Qasim, Syed R.
Leaching of Pollutants From Refuse Beds, with Jerry C. Burchinal, SA1:Feb 70:49:7078
Errata: SA6:Dec 70:1444:7713
TR:136:453

Quade, Charles O.
Dsc, UP2:Dec 71:244:8558, of "Basic Contemporary Urban Problems", UP2:Oct 70:133:7608

Quick, Michael C.
136, HY7:July 70:1403:7399
Dsc: Enzo Levi, HY3:Mar 71:465:7940; Chesley J. Posey, HY4:Apr 71:600:8012; Ralph T. Hattersley, HY4:Apr 71:601:8012
Clo: HY11:Nov 71:1895:8483

Quinn, William F.
Research Programs on Pipeline Crossings, TE3:Aug 70:283:7457
TR:136:988

Quintela, Antonio
Dsc, HY3:Mar 70:845:7113, of "Systemic Variation Pattern of Annual River Flows", HY3:May 69:787:6531

Quon, Jimmie E.
Efficiency of Refuse Collection Crews, with Robert R. Martens and Masaru Tanaka, SA2:Apr 70:437:7232
TR:136:863

Rabatel, Andre
See Jean-Pierre Giroud, TN: SM1:Jan 71:287:7787

Rabe, George
Man-Oriented Program System for Engineering, with Vincent A. Trossello, ST1:Jan 71:223:7850

Rabinovici, A.
Dsc, SM4:July 70:1475:7385, of "Preloading for Heavy Industrial Installations", SM6:Nov 69:1335:6902
Dsc, PISST:pp.342-343, 1971, of "Preloading for Heavy Industrial Installations", PISST:pp.321-341, 1971

Rachford, Thomas M.
Time-Capacity Expansion of Waste Treatment Systems, with Russell F. Scarato and George Tchobanoglous, SA6:Dec 69:1063:6957
Dsc: Robert H. Thomas, SA4:Aug 70:1017:7441
Clo: SA1:Feb 71:103:7865
TR:136:304

Radhakrishnan, N.
See Lymon C. Reese, WW2:May 70:433:7291
See Behzad Rohani, SM7:July 71:1037:8224

Radhamohan, S. K.
Stability of Shells by Parametric Differentiation, with Achyut V. Setlur and John E. Goldberg, ST6:June 71:1775:8216

Radke, L. F.
See P. V. Hobbs, Preprint No.1341, Jan 71

Radzinl, Joseph V.
See Carmen F. Guarino, SA1:Feb 70:1:7050
See Carmen F. Guarino, CWFE:Mar 71:349

Raffel, David N.
Tailwater Encroachment, PO2:Oct 69:167:6798
Dsc: R. M. King, PO1:Jan 71:223:7784
Clo: PO3:July 71:709:8256
TR:136:667

Raggett, Jon D.
Torsional Flutter Instability of Stalled Surfaces, with Robert H. Scanlan, Preprint No.1367, Apr 71

Raghavendra, N.
See K. V. Swaminathan, ST3:Mar 71:972:7944
See K. V. Swaminathan, ST3:Mar 71:979:7944

Raghavendran, R.
See P. Sreenivasulu, HY2:Feb 70:379:7062

Raichlen, Fredric
Tsunamis: Some Laboratory and Field Observations, 12CEC:pp.2103-2122, 1971
See Jean F. Coudert, WW3:Aug 70:737:7443
See Jiin-Jen Lee, 12 CEC:pp.2163-2180, 1971

Raina, Ravinora K.
See Arthur C. Heidebrecht, Preprint No.1358, Apr 71
See Arthur C. Heidebrecht, EM2:Apr 71:239:8028

Rainer, Johann H.
Structure-ground Interaction in Earthquakes, EM5:Oct 71:1431:8422

Rains, C. P.
Mechanical Excitation of Model Undersea Structure, with Subrata K. Chakrabarti, Preprint No.1361, Apr 71

Rajagopalan, K. S.
Dsc, ST8:Aug 70:1811:7442, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824
Dsc, ST10:Oct 70:2252:7570, of "Analysis of Footing Subjected to Biaxial Bendine", ST6:June 70:1049:7329
Dsc, ST10:Oct 70:2253:7570, of "What Do We Know About Torsion in Concrete Members", ST6:June 70:1185:7372
See Umakanta Behera, ST2:Feb 70:371:7103
See Shrikrishna V. Chitale, HY4:Apr 70:1060:7189

Raja Iyengar, K.T. Sundara
Dsc, with Prakash Desayi and K. Nagi Reddy, ST3:Mar 71:1003:7944, of "Compression-Tests on Hoop-Reinforced Concrete", ST7:July 70:1495:7417

Rajaram, B.
See Chinta S. Reddy, ST3:Mar 71:986:7944

Rajaraman, A.
Dsc, ST12:Dec 71:2915:8557, of "Need For Diaphragms in Concrete Box Girders", ST3:Mar 71:825:7965
See S. P. Sharma, ST8:Aug 71:2153:8271

Rajeevalochanam, Bahaddur S.
Dsc, IR3:Sept 70:369:7498, of " Triangular Broad-Crested Weir", IR4:Dec 69:493:6954

Raju, Narayana K.
Dsc, ST12:Dec 71:2923:8557, of "Sustained and Cyclic Loading of Concrete Columns", ST4:Apr 71:1113:8033

Raju, Warayana K.
Dsc, ST7:July 70:1618:7386, of "Behavior of Concrete under Compressive Loadings", ST12:Dec 69:2543:6935

Ralston, Alan Andrew
Memoir of, TR:136:1362

Rama, Harihara
Periodic Waves Shoaling in Waters over Steeply Sloping Bottoms, 12CEC:pp.363-376, 1971

Ramakrishnan, Venkataswamy
See Shu-t'ien Li, WW4:Nov 71:647:8527

XUM

Ramamurthy, Amruthur S.
Open Channel Expansions Fitted with Local Hump, with Sanjay Basak and Pattabhi Rama Rao, HY5: May 70:1105:7257
Dsc: B. S. Thandaveswara, HY1:Jan 71:202:7783; Gaylord V. Skogerboe, Lloyd H. Austin and Ray S. Bennett, HY2:Feb 71:362:7863; Nani G. Bhowmik, HY2:Feb 71:364:7863
Clo: HY12:Dec 71:2081:8552
TR:136:1088

Ramamurthy, T.
Dsc, with P. C. Rawat, SM2:Feb 71:489:7866, of "Comparison of Plane Strain and Triaxial Tests on Sand", SM3:May 70:901:7276
Dsc, SM4:Apr 71:686:8014, of "Technique for Study of Granular Materials", SM4:July 70:1113:7389

Raman, Harihar
Dsc, with John J. Earattupuzha, HY4:Apr 71:625: 8012, of "Testing Sediment Movement Due to Wave Action", HY7:July 70:1587:7433

Raman, V.
Frequency Analysis of Rainfall Intensities for Calcutta, with M. Bandyopadhya, SA6:Dec 69: 1013:6950
Dsc: Harvey W. Duff and George C.C. Hsieh, SA4:Aug 70:1012:7441; Karuna N. Chatterjee, SA5:Oct 70:1276:7569
TR:136:805

Ramanatha Iyer, T. S.
Dsc, SM2:Mar 70:774:7115, of "Causes of Clay Sensitivity", SM3:May 69:845:6568
Dsc, with S. M.M. Mohamed, SM3:May 70:1074: 7249, of "Bonding, Effective Stresses and Strength of Soils", SM5:Sept 69:1219:6786
Dsc, SM3:Mar 71:593:7943, of "Behavior of Single Mineral Soils in Triaxial Shear", SM4:July 70:1373: 7432
Dsc, PISST:Aug 71:374, of "Strength of Compacted Clay at High Pressure", PISST:pp.345-374, 1971

Ramanathan, B.
Dsc, SM1:Jan 71:274:7785, of "Static Cone to Compute Static Settlement Over Sand", SM3:May 70:1011:7302
Dsc, SM4:Apr 71:690:8014, of " Effect of Particle Characteristics on Soil Strength", SM4:July 70: 1221:7393

Ramantha, Iyer S.
Bonding, Effective Stresses and Strength of Soils, with Awtar Singh and Richard G. Campanella, SM5:Sept 69:1219:6786
Dsc: Orlando B. Andersland and Arthur G. Douglas, SM3:May 70:1073:7249; T. S. Ramanatha Iyer and S. M.M. Mohamed, SM3: May 70:1074:7249; Sukhmander Singh Singh, SM4:July 70:1469:7385
Errata: SM6:Nov 70:2131:7643
TR:136:200

Ramaswamy, S. V.
See Milton E. Harr, SM4:July 69:933:6651

Rambow, Carl Alan
Memoir of, TR:136:1363

Ramos, Fernando Silveira
See Manuel Mendes de Carvalho, 12CEC:pp.65-83, 1971

Rampal, Kunwar K.
Space Resection from Collinearity Conditions, SU2: Nov 71:205:8520

Rand, Walter
Sill-Controlled Flow Transitions and Extent of Erosion, HY4:Apr 70:927:7212
Errata: HY2:Feb 71:359:7863
TR:136:722

Randall, Clifford W.
Phosphate Release in Activated Sludge Process, with Duane W. Marshall and Paul H. King, SA2:Apr 70: 395:7223
TR:136:816

Raney, Edward C.
See Stanley Moyer, SA6:Dec 69:1131:6983

Rangan, B. Vijaya
See Surendra P. Shah, ST6:June 70:1167:7366

Ranganadha Rao, R. P.
Dsc, with C. Suresh, HY8:Aug 70:1732:7439, of "Nonlinear Flow in Porous Media", HY6:Nov 69: 1847:6883

Ranga Raju, K. G.
Resistance to Flow over Two-Dimensional Strip Roughness, with Ramachandra J. Garde, HY3:Mar 70:815:7181
Dsc: Chun-Tsung Wang, HY9:Sept 70:1920:7497; V. Mura Hari, HY12:Dec 70:2665:7711
Clo: HY9:Sept 71:1523:8345
TR:136:975
Dsc, with Ramachandra J. Garde, HY7:July 70:1617: 7384, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, with Ramachandra J. Garde, HY8:Aug 70:1749: 7439, of "Steady Flow Past Flat Plate in Channel", HY6:Nov 69:2013:6903
Dsc, with Ramachandra J. Garde, HY1:Jan 71:196: 7783, of "Flow in Conduits with Low Roughness Concentration", HY4:Apr 70:941:7224
Dsc, with A. P. Bahadur, HY5:May 71:738:8081, of "Distribution of Tractive Force in Open Channels", HY7:July 70:1469:7415
See Ramachandra J. Garde, HY4:Apr 70:1052:7189

Rankin, William M.
See Robert G. Burnett, Preprint No.1414, Apr 71

Rannie, William F.
Dsc, with Harold J. McPherson, HY4:Apr 71:594: 8012, of "Sedimentation Engineering, Chapter 3: Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, Vito A. Vanoni, Chmn., HY5:May 70:1157:7269

Rao, D. Babu
See Raymond J. Krizek, HY10:Oct 71:1625:8436

Rao, D. K.
Dsc, EM5:Oct 71:1583:8406, of "Artificial Intelligence Continuum Mechanics", EM6:Dec 70: 1239:7779

Rao, D. Venkateswara
See Kolinjuvadi S. Sankaran, SM7:July 71:1038:8224

Rao, Guda Venkatappa
See Asuri Sridharan, SM6:June 71:940:8158

Rao, H. Suresh
See M. H. Abdul Khader, HY1:Jan 71:194:7783

Rao, Maddineni V.
Dsc, HY1:Jan 70:275:6988, of "Some Turbulence Measurements in Open-Channel Flow", HY1:Jan 69:209:6349

Rao, Manam V.P.
See Gary Z. Watters, HY3:Mar 71:421:7973

Rao, Mushti Narayana
Dsc, SA5:Oct 71:781:8409, of "Shearing Effects On Settling of Activated Sludge", SA1:Feb 71:59:7926

Rao, Palepu V.
Approximate Friction-Factor Formulas for Direct Determination of Pipe Sizes, CE:Nov 70:60
TR:136:1138

Rao, Pattabhi Rama
See Amruthur S. Ramamurthy, HY5:May 70:1105: 7257

Rao, Singamsetti Surya
Dsc, with Kanakatti Subramanya, HY8:Aug 70:1759: 7439, of "Numerical Method of Computing Flow Profiles", HY1:Jan 70:75:7005
Dsc, HY11:Nov 70:2395:7641, of "Designing Spillway Crests for High-Head Operation", HY3: Mar 70:745:7153

Rao, Sridhar
Dsc, SM2:Feb 71:506:7866, of "Theory of Brittle Fracture Applied to Soil Cement", SM3:May 70: 991:7301

Rao, U. Mohan
Dsc, HY4:Apr 71:629:8012, of "Power Law Solutions for Vertical Plumes", HY9:Sept 70:1803:7523

Rapoport, Leonard
See Abraham Ellstein, 4PCSM:pp.243-255, 1971

Rapp, Mattias H.
Man-Computer Graphic Transit System Planning, Preprint No.1506, July 71

Rapp, R. R.
Some Economic Aspects of Rain Stimulation, Preprint No.1342, Jan 71

Rasmusson, Irvin Sherman
Memoir of, TR:136:1364

Ratay, Robert T.
Sliding-Rocking Vibration Of Body On Elastic Medium, SM1:Jan 71:177:7849
Dsc, ST4:Apr 70:874:7191, of "Effective Width of Thin Plates in Compression", ST10:Oct 69:2183: 6837
Dsc, ST9:Sept 71:2444:8348, of "Thin Aluminum Shear Webt", ST4:Apr 71:1021:8048

Rathbun, Ronald E.
Tracer Studies of Sediment Transport Processes, with Carl F. Nordin, HY9:Sept 71:1305:8364

Raudkivi, Arved J.
Dsc, HY12:Dec 71:2089:8552, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Raus, Juri
Federal Research in Urban Traffic Control, with Philip J. Tarnoff, Preprint No.1516, July 71

Rausch, David L.
See Herman G. Heinemann, HY9:Sept 71:1555:8345

Ravina, Israela
See Sam Frydman, SM8:Aug 71:1124:8270

Rawat, P. C.
See T. Ramamurthy, SM2:Feb 71:489:7866

Rawel, Shri N. C.
See I. C. dos M. Pais-Cuddou, IR3:Sept 69:415:6789

Ray, Willis E.
See Donald G. Lux, CE:May 71:37

Rechard, Paul A.
Snow Fence Shielding of Precipitation Gages, with Lee W. Larson, Preprint No.1306, Jan 71
Snow Fence Shielding of Precipitation Gages, with Lee W. Larson, HY9:Sept 71:1427:8386

Recker, Wilfred W.
Series Solution to Problems in Elastodynamics, EM4: Aug 71:1257:8328

Reddy, Annapareddy Siva
Bearing Capacity of Footings on Anisotropic Soils, with Ramanathan J. Srinivasan, SM6:Nov 70:1967: 7677
Dsc: Moshe Livneh, Jacob Greenstein and Elisha Shklarsky, SM10:Oct 71:1491:8410; J. P. Boehler, Jean-Pierre Giroud and Jean-Pierre Obin, SM10:Oct 71:1493:8410
Flow Around Inclined Sheet Pile, with G. C. Mishra and Kaveti Seetharamiah, HY7:July 71:1101:8248
Warping Stresses In Slabs On Reissner Foundation, with Mysore R. Pranesh, TE3:Aug 71:511:8332

Reddy, Chinta S.
Dsc, with B. Rajaram, ST3:Mar 71:986:7944, of "Arch Action and Bond in Concrete Shear Failures", ST6:June 70:1069:7338

Reddy, K. Nagi
Dsc, with S. Ramaswamy Reddy, ST3:Mar 71:991: 7944, of "Effects of Reinforcements on Ductility of Concrete", ST6:June 70:1167:7366
See K.T. Sundara Raja Iyengar, ST3:Mar 71:1003: 7944
See V. Malakonda Reddy, ST12:Dec 71:2894:8557

Reddy, S. Ramaswamy
See K. Nagi Reddy, ST3:Mar 71:991:7944
See V. Malakonda Reddy, ST12:Dec 71:2894:8557

Reddy, V. Malakonda
Dsc, with K. Nagi Reddy and S. Ramaswamy Reddy, ST12:Dec 71:2894:8557, of "Behavior of Laterally Reinforced Concrete ColumnF", ST2:Feb 71:587: 7905

Redner, S.
Photoelastic Model Studies of Wye Manifold Branches, with J. H. Perrotta, PL1:Oct 68:107:6180
TR:136:1100

Redwood, Richard G.
See Bharat L. Mehrotra, ST12:Dec 69:2863:6968
See David J. Malcolm, ST7:July 70:1403:7409
See Judith G. Congdon, ST9:Sept 70:1933:7561

Reed, George L.
Moonlighting and Professional Responsibility, PP1: Sept 70:19:7548
Dsc: Manley A. Roose, PP1:Oct 71:227:8408
See Joseph W. Guyton, TE1:Feb 71:63:7880

Reed, George O.N.
Dsc, PISST:pp.230-232, 1971, of "Sand Densification by Piles and Vibrofloatation", PISST:pp.203-224, 1971
Dsc, SA6:June 71:919:8158, of "Sand Densification by Piles and Vibroflotation", SM6:Nov 69:1303: 6892

Reed, Sherwood C.
Low Temperature Activated Sludge Settling, with R. Sage Murphy, SA4:Aug 69:747:6747
Dsc: Richard I. Dick, SA2:Apr 70:638:7190; Peter Kos and Ivo Pardus, SA2:Apr 70:642: 7190
Clo: SA5:Oct 70:1274:7569
TR:136:185

Reese, Lymon C.
Generalized Analysis of Pile Foundations, with Michael W. O'Neill and Robert E. Smith, SM1:Jan 70:235:7032
TR:136:471

XUM

Panel - The Computer Revolution in Soil Engineering, with John Lysmer, John T. Christian and G. A. Reti, Preprint No.1565, Oct 71
Rational Design Concept for Breasting Dolphins, with Michael W. O'Neill and N. Radhakrishnan, WW2:May 70:433:7291
TR:136:1009
See Chandrakant S. Desai, SM4:July 70:1289:7408

Reese, Raymond C.
Limit States Design, Preprint No.1537, Oct 71

Reeve, Ronald C.
See Om P. Gulati, IR4:Dec 70:437:7751

Reeves, Charles F.
See Ziva D. Jankou, ST9:Sept 70:1973:7567

Regadanz, Bruce E.
Water Plant Start-Up and Operation, Preprint No.1351, Jan 71

Regal, David
See David Burgreen, EM4:Aug 71:1045:8305

Regan, John C.
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Reginatto, Aldo R.
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Reichelt, Karl L.
Tower: Design System for Guyed Towers, with Dan M. Brown and John W. Melin, ST1:Jan 71:237:7836

Reid, George W.
Can Engineering Forecasters Effect Water Law?, with E. Edd Pritchett and Susan Pritchett, Preprint No.1333, Jan 71
Can Engineering Forecasters Effect Water Law?, with E. Edd Pritchett and Susan Pritchett, SA4:Aug 71:479:8329

Reimer, Paul O.
Urbanization's Drainage Consequence, with Joseph B. Franzini, UP2:Dec 71:217:8600

Reinig, L. P.
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Reinschmidt, K. F.
Computer Methods for Building System Design, Preprint No.1356, Apr 71

Reinschmidt, Kenneth F.
Discrete Structural Optimization, ST1:Jan 71:133:7829
Dsc, with Alan D. Russell, ST8:Aug 70:1829:7442, of "Optimum Elastic Design of Redundant Trusses", ST12:Dec 69:2589:6938
See Alan D. Russell, ST9:Sept 71:2437:8348

Reisman, Herbert
Forced Motion of Cylindrical Shells, with John Medige, EM5:Oct 68:1167:6183
TR:136:17

Reisner, Daniel M.
See Andrew S. Balbiani, TE4:Nov 70:585:7672

Reiss, Max
Dsc, ST12:Dec 70:2666:7714, of "Spandrel-Slab Interaction", ST1:Jan 70:89:7017

Reitz, Henry M.
See John J. Bailey, Jr., SM5:Sept 70:1810:7499
See John J. Bailey, Jr., PISST:pp.249-252, 1971

Renard, Kenneth G.
Flood Peaks from Small Southwest Range Watershed, with John C. Drissel and Herbert B. Osborn, HY3:Mar 70:773:7161
Dsc: Thomas L. Brown and William H. Sammons, HY1:Jan 71:182:7783
Clo: HY9:Sept 71:1521:8345
TR:136:1047

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California Steam Bus Project: A Midterm Review, Preprint No.1444, July 71

Renukaradhya, P. S.
See Jade Dattatri, 12CEC.pp.203-215, 1971
See Jade Dattatri, WW3:Aug 71:505:8303

Resch, Francois J.
Hot-Film Turbulence Measurements in Water Flow, HY3:Mar 70:787:7177
Dsc: M. H. Abdul Khader, K. Elango and H. Suresh Rao, HY1:Jan 71:194:7783
Clo: HY8:Aug 71:1238:8267
TR:136:1017

Resendiz, Daniel
See Raul J. Marsal, 4PCSM:pp.237-312, 1971

Resnick, Israel
Syntactic Foams for Deep Sea Engineering Applications, with Aleksander Macander, CO1:June 70:45:7367
Errata: CO2:Nov 71:330:8482

Reti, G. A.
See Lymon C. Reese, Preprint No.1565, Oct 71

Revell, Wilfred
Dsc, with John T. Tuohey, TE4:Nov 71:706:8486, of "Determination of Wheel Trajectories", TE4:Nov 70:463:7653

ReVelle, Charles S.
See David H. Marks, UP1:Mar 70:81:7164

Revelle, J. Edgar
Penstocks For Six Pumped Storage Projects, with Robert W. Mikitka, PO2:Mar 71:435:7947

Reyes, Garcia Rafael
Public Irrigation Systems In Puerto Rico, IR1:Mar 71:109:7953

Reynolds, E. Kenneth
DI-10 Distomat System, SU2:Sept 70:137:7518
TR:136:829

Reynolds, J. David
Measuring Building Movement by Precise Survey, with John A. Dearinger, SU1:Apr 70:87:7228
TR:136:1069

Reynolds, John E.
Allocating Water Among Alternative Uses, IR1:Mar 71:85:7978

Rhines, Warren J.
Elastic-Plastic Foundation Model for Punch-Shear Failure, SM3:May 69:819:6560
TR:136:807

Rhodes, James
Alternative Approach to Light-Gage Beam Design, with James M. Harvey, ST8:Aug 71:2119:8327

Rice, Leonard
Computer Plotted Prestressed Concrete Design Charts, ST3:Mar 71:863:7993
Reduction of Urban Runoff Peak Flows by Ponding, Preprint No.1298, Jan 71
Reduction of Urban Runoff Peak Flows by Ponding, IR3:Sept 71:469:8351

Rice, Philip A.
See George E. Fox, SA6:Dec 69:1191:6931

Rich, George R.
Dsc, HY1:Jan 70:304:6988, of "Stability of Oscillations in Simple Surge Tank", HY5:Sept 69:1577:6773

Richards, Dennis L.
See Fred F. M. Chang, HY6:June 71:837:8191
See Fred F. M. Chang, Preprint No.1538, Oct 71

Richards, Robert W.
Atlanta's Instant Runway, TE3:Aug 71:491:8306

Richards, Rowland, Jr.
Dsc, SM1:Jan 70:338:6989, of "Slopes in Stiff-Fissured Clays and Shales", SM2:Mar 69:467:6449

Richardson, Everett V.
See Raul S. McQuivey, HY1:Jan 69:209:6349

Richardson, George C.
Filling System For Lower Granite Lock, WW3:Aug 69:275:6718
TR:136:94

Richardson, H. H.
See D. A. Hullender, Preprint No.1499, July 71

Richart, Frank E., Jr.
See Vincent P. Drnevich, SM2:Mar 70:453:7160

Richey, Eugene P.
Wave Attenuation by Porous Walled Breakwater, with Charles K. Sollitt, WW3:Aug 70:643:7468
Dsc: Jared L. Black, WW2:May 71:440:8086

Richter, Andreas
Dsc, HY8:Aug 71:1258:8267, of "Effect Of Side Walls On Flow Past Bluff Bodies", HY1:Jan 71:65:7788

Rickert, D.
See T. Helfgott, SA3:June 70:779:7374

Riddell, John F.
See David I. H. Barr, PL1:Oct 68:175:6133

Ridha, Raouf A.
Inelastic Finite Deformation of Planar Frames, with Lawrence H. N. Lee, EM3:June 71:773:8198

Riesbol, Herbert S.
Thermal Hydraulic Study: Arkansas Cooling Reservoir, with James B. Anderson, Fred H. Wend and Harlan B. Holmes, PO1:Jan 71:93:7811

Rifai, Mahmoud Faisal
Flow Over Triangular Elements Simulating Dunes, with Kenneth V.H. Smith, HY7:July 71:963:8246
Dsc, HY6:Nov 69:2179:6866, of "Some Turbulence Measurements in Open-Channel Flow", HY1:Jan 69:209:6349

Riggs, Henry C.
Dsc, IR3:Sept 71:540:8346, of "Probability Distribution of Annual Droughts", IR4:Dec 70:461:7727
See S. P. Sauer, Preprint No.1329, Jan 71

Riggs, Louis W.
Planning and Engineering by Agency-Consultant Team, UP2:Oct 70:105:7585
TR:136:908

Rigter, Ben P.
Density Induced Return-Currents in Outlet Channels, HY2:Feb 70:529:7086
Errata: HY12:Dec 70:2638:7711
TR:136:583

Rimer, Alan E.
Filtration Through a Trimedia Filter, SA3:June 68:521:6014
Dsc: Ernest W.J. Diaper, SA4:Aug 69:782:6706; V. J.G. Harding, SA4:Aug 69:783:6706; Kuan M. Yao, SA4:Aug 70:997:7441
TR:136:25

Rinker, Walter Nelson, Jr.
Memoir of, TR:136:1365

Rish, Raphael F.
Dsc, EM4:Aug 71:1297:8266, of "Stability of Hyperboloidal Cooling Tower", EM5:Oct 70:753:7635

Rising, Robert R.
Design of Underground Pumping Chamber at Lake Mead, with Gayle A. Erickson, Preprint No.1338, Jan 71

Ritchie, Logan R., Jr.
Dsc, SM5:Sept 70:1813:7499, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
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Riveland, Arvin R.
See George C. Ernst, Preprint No.1365, Apr 71

Robb, David C.N.
See Marvin E. Jensen, IR1:Mar 70:25:7131

Robbins, Richard
Steady-state Profile for Oil Barriers, with David Hoult and Ralph Cross, III, TN: WW1:Feb 71:235:7891

XUM

Roberson, John A.
Flow in Conduits with Low Roughness Concentration, with C. K. Chen, HY4:Apr 70:941: 7224
Dsc: K. G. Ranga Raju and Ramachandra J. Garde, HY1:Jan 71:196:7783
Clo: HY8:Aug 71:1239:8267
TR:136:1066
Dsc, HY4:Apr 71:618:8012, of "Free Surface, Velocity Gradient Flow Past Hemisphere", HY7: July 70:1485:7418
Dsc, EM8:Aug 71:1242:8267, of "Forces From Submerged Jets", HY11:Nov 70:2231:7675
Dsc, with Donald L. Bender, HY12:Dec 71:2106: 8552, of "Design Conduit System by Dynamic Programming", HY3:Mar 71:7988

Roberti, Sergio
See Giorgio M. Bulgarelli, Preprint No.1539, Oct 71

Roberts, E. F.
Designing Computer Programs for Bridge Foundations, with M. Lohrmann, CE:Dec 71:64

Roberts, Michael C.
Dsc, with Peter C. Klingeman, HY7:July 70:1656: 7384, of "Drainage Density in Drift-Covered Basins", HY1:Jan 70:183:7033

Roberts, Sanford B.
Buckling and Vibrations of Polygonal and Rhombic Plates, EM2:Apr 71:305:8030
Dsc: Patricio A. Laura, EM5:Oct 71:1587:8406
See Stephan S-K Wang, EM1:Feb 71:77:7930

Roberts, Wyndham J.
Forecasting Water Demands and Systems Capabilities, with Sandor C. Csallany and Neil G. Towery, SA6:Dec 70:1349:7745
Dsc: David H. Stoltenberg, SA3:June 71:391:8157
Clo: SA6:Dec 71:938:8555

Robertson, Gordon G.
See Harvey C. Olander, TE1:Feb 70:25:7087

Robertson, James M.
Turbulence Structure in Plane Couette Flow, with Henry F. Johnson, EM6:Dec 70:1171:7754
Dsc: M. H. Abdul Khader and H. Suresh Rao, EM5:Oct 71:1567:8406
See Hormoz Pazwash, HY9:Sept 71:1317:8374

Robertson, Leslie E.
See Peter W. Chen, Preprint No.1404, Apr 71
See Peter W. Chen, ST11:Nov 71:2679:8526

Robertson, Richard B.
Municipal Considerations in Transportation Planning, TE1:Feb 69:1:6378
TR:136:1051

Robertson, Robert A.
Model Study of Power Intake Gate Of Mossyrock Dam, with James W. Ball, HY7:July 71:889:8229

Robinson, Arthur R.
Improving Approximate Eigenvalues and Eigenvectors, with John F. Harris, EM2:Apr 71: 457:8047
See Robert L. Carter, EM5:Oct 69:1033:6808

Robinson, Carlton D.C.
The Other Side of "The Highway Explosion", CE: Feb 71:47
Dsc: Paul J. Costic, III, CE:July 71:40

Robinson, Clifford M., Jr.
See Donald T. Ward, Preprint No.1408, Apr 71

Robinson, David N.
See Richard H. Lance, EM6:Dec 70:1183:7742

Robinson, E. P.
Dsc, IR3:Sept 70:360:7498, of "Mechanical Structures for Farm Irrigation", IR4:Dec 69:463: 6944

Robinson, F.
See James N. Luthin, IR1:Mar 69:117:6446

Robinson, Hugh
Composite Beam Incorporating Cellular Steel Decking, ST3:Mar 69:355:6447
TR:136:823
Composite Beams with Partial Connection, with I. W. Wallace, Preprint No.1549, Oct 71

Robinson, Millard P., Jr.
Dsc, with Oner Yucel, HY3:Mar 71:468:7940, of "Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual", HY7:July 70:1503:7423

Robison, Leslie B.
Mississippi Valley Mapping, SU1:May 71:103:8102

Robles, Alfonso, Jr.
See Ralph F. Wong, WW1:Feb 71:185:7894

Rochester, Eugene W., Jr.
Potable Water Availability on Long Oceanic Islands, with George J. Kriz, SA5:Oct 70:1235:7627
TR:136:1019

Rockwell, Matthew L.
Water Resources as an Element of Urban Planning, UP1:Aug 68:1:6056
Dsc: Robert L. McFall, UP1:Apr 69:105:6487; Paul F. Keim, UP1:Mar 70:97:7119
TR:136:689

Rockwood, David M.
See Mark L. Nelson, HY1:Jan 71:143:7798

Rodabaugh, Everett C.
Summary Report on Experimental Evaluation of Simulated Uncased Pipeline Crossings of Railroads and Highways, with Thomas J. Atterbury and G. L. Hinueber, UPC:Apr 71

Roderick, J. W.
Load Carrying Capacity of Simple Composite Columns, with D. F. Rogers, ST2:Feb 69:209:6412
Dsc: C. V.S. Kameswara Rao and Jawalker K. Sridhar Rao, ST12:Dec 69:2990:6932
Clo: ST7:July 70:1593:7386
TR:136:690

Rodrigues, J. Caldeira
See J. Laginha Serafim, ST8:Aug 70:1711:7492

Roefs, Theodore G.
Dsc, SA2:Apr 70:632:7190, of "Economic Measure of Effect of Extreme Data", SA4:Aug 69:683:6720

Roesler, Joseph F.
Simulation of Ammonia Stripping from Wastewater, with Robert Smith and Richard G. Eilers, SA3:June 71:269:8182

Roesner, Larry A.
See George K. Young, HY4:Apr 70:911:7209

Roess, Roger P.
See Louis J. Pignataro, TE3:Aug 70:251:7454

Roesset, Jose M.
See Rene W. Luft, ST1:Jan 71:349:7841

Rogers, D. F.
See J. W. Roderick, ST2:Feb 69:209:6412

Rogers, Paul
Earthquake-Resistant Reinforced-Concrete Buildings, CE:Aug 71:32
Dsc: Clarence J. Derrick, CE:Dec 71:71
Hyperbolic Cooling Towers, Development and Practice, with Eli W. Cohen, PO1:Jan 70:117:7030
Dsc: Nicholas Isyumov, PO1:Jan 71:244:7784
Clo: PO3:July 71:714:8256
TR:136:899
Dsc, PO1:Jan 71:236:7784, of "Design Criteria for Turbine-Generator Pedestals", PO1:Jan 70:1:6991

Rogers, Richard A.
Dsc, HY6:Nov 69:2195:6866, of "Storm Drainage Practices of Thirty-two Cities", HY1:Jan 69:383:6365

Rohani, Behzad
Dsc, with N. Radhakrishnan, SM7:July 71:1037:8224, of "Nonlinear Analysis of Stress and Strain in Soils", SM5:Sept 70:1629:7513

Rohlich, Gerard A.
See Robert W. Zeller, HY9:Sept 71:1403:8385

Rolko, Leslie S.
Dsc, SM10:Oct 71:1500:8410, of "Performance of Four Foundations on End Bearing Piles", SM1:Jan 71:77:7807

Roll, Frederic
See Ish K. Aneja, ST12:Dec 71:2861:8603

Rollins, Myron B.
Bentonite Sealing Methods Compared in the Field, with Anthony S. Dylla, IR2:June 70:193:7379
Errata: IR2:June 71:329:8156
TR:136:959

Romaniello, Charles G.
Advancing Technology in Electronic Surveying, SU2:Sept 70:287:7566
TR:136:1008

Romstad, Karl M.
See Thomas C. Ferrara, UP2:Dec 71:179:8585

Roorda, John
See Kothapalli Ramaiah Venkataramaiah, ST7:July 70:1610:7386
See Kothapalli Ramaiah Venkataramaiah, ST4:Apr 71:1376:8015

Roos, A.
See W. T. Bakker, 12CEC:pp.1001-1020, 1971

Roos, Amos
Dsc, TE2:May 70:245:7251, of "A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee", TE3:Aug 69:399:6717
Dsc, with Labh S. Sachdev, TE2:May 70:247:7251, of "A Statement of National Highway Transportation Policy, by the Committee on Transportation Policy of the Tranportation Engineering Coordinating Committee", TE3:Aug 69:399:6717
Dsc, CE:Oct 71:80, on Coordinated Land and Water Planning Proposed to Avoid Killing of Projects, CE:May 71:75

Roos, Daniel
Computer Charges and Engineering Organizations, ST1:Jan 71:339:7834
Demand Responsive Transportation Systemp, UT1: pp.123-139, 1971

Roos, Philip D.
Dsc, PP1:Sept 70:145:7549, of "One Man's View of Registration Today", PP1:July 69:1:6653

Roose, Manley A.
Dsc, PP1:Oct 71:227:8408, of "Moonlighting and Professional Responsibility", PP1:Sept 70:19:7548

Roper, Alan T.
Dsc, with M. Krishnamurthy and Herman N. C. Breusers, HY7:July 70:1636:7384, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891

Ropertz, Henry
See V. Setty Pendakur, UP2:Dec 71:246:8558

Rose, Donald W.
Dsc, CE:July 71:66, on New Microwave Tower Design Reduces Drag, CE:Mar 71:46

Rose, Jerry G.
See Bob M. Gallaway, Preprint No.1325, Jan 71

Rosebraugh, V. H.
See S. E. Swartz, Preprint No.1354, Apr 71

Rosen, Richard
Substructure Analysis by Matrix Decomposition, with Moshe F. Rubinstein, ST3:Mar 70:663:7169
Dsc: Thomas S. Tarpy, Jr. and William H. Rowan, Jr., ST10:Oct 70:2249:7570
Clo: ST9:Sept 71:2425:8348
TR:136:862

Rosenberger, Richard L.
Estuarine Water Quality Management, with Raymond Walsh, SA05:Oct 68:913:6164
TR:136:678

Rosenblueth, Emilio
Reliability Optimization in Isostatic Structures, with Enrique Mendoza, EM6:Dec 71:1625:8584
Dsc, SM1:Jan 71:275:7785, of "Decision Theory Applied to Settlement Predictions", SM4:July 70:1127:7390

Rosl, Gerd
See Werner Zielke, HY7:July 71:1141:8223

Rosman, Riko
Torsion of Perforated Concrete Shafts, ST5:May 69:991:6578
Errata: ST2:Feb 70:437:7047
TR:136:115

Rosner, John C.
See Milton E. Harr, SM4:July 69:933:6651

Ross, Grant A.
Bridge Foundation Behavior in Alaska Earthquake, with H. Bolton Seed and Ralph R. Migliaccio. SM4:July 69:1007:6664
Dsc: Harold A. Weggel, SM1:Jan 70:365:6989
TR:136:712
See Michael Sargious, TE4:Nov 71:579:8492

Ross, Hayes E., Jr.
Vehicle-roadway Interaction Studies by a Mathematical Model, with Don L. Ivey, Preprint No.1451, July 71
Wind Induced Vibration in Light Poles, with Thomas C. Edwards, ST6:June 70:1221:7383
TR:136:986

Rotariu, George J.
Irradiation Applications to Material Development, Preprint No.1533, Oct 71

Rothbart, Harold
Investigation and Analysis of Causes of Delay in the Construction Industry, Preprint No.1368, Apr 71
See John R. Baldwin, CO2:Nov 71:177:8501

XUM

Rouse, Hunter
Work-Energy Equation for the Streamline, HY5:May 70:1179:7300
Dsc: Abhimanyu Swain, HY10:Oct 70:2159:7568; Henry Liu, HY12:Dec 70:2668:7711; Enzo O. Macagno, HY12:Dec 70:2669:7711
Clo: HY7:July 71:1138:8223
TR:136:1228

Rowan, William H., Jr.
See Thomas S. Tarpy, Jr., ST10:Oct 70:2249:7570

Rowe, Donald R.
Contamination of Oysters by Pesticides, with Larry W. Canter and J. W. Mason, SA5:Oct 70:1221:7619
TR:136:1294

Rowe, E. R.
Current European Views on Structural Safety, ST3:Mar 70:461:7132
Dsc: C. N. Srinivasan, ST10:Oct 70:2246:7570; Eivind Hognestad, ST12:Dec 70:2671:7714
Clo: ST9:Sept 71:2423:8348

Rowe, Peter W.
Dsc, SM4:Apr 71:704:8014, of "Comparison of Stress-Dilatancy Theories", SM5:Sept 70:1697:7516

Rowe, R. Robinson
Lake Michigan-Huron Stage-Frequency and Trend, WW3:Aug 69:261:6716
Dsc: Edmond Megerian, WW3:Aug 70:731:7443
Clo: WW2:May 71:401:8086
TR:136:171

Rowland, Robert
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Dsc: John D. Bristor and Howard L. Underberger, CO2:Nov 71:337:8482; AIA Documents Board, CO11:Nov 71:339:8482

Rowland, Robert D.
Final Committee Position on The AGC's Recommendation that Approved Securities be Posted in Lieu of Retained Percentages, by the Committee on Contract Adminstration of the Construction Division, CO2:Nov 71:271:8517

Rowlison, Dale L.
Rational Model Describing Slope Erosion, with Glen L. Martin, IR1:Mar 71:39:7981

Roy, Geoffrey G.
Dsc, with Leonard K. Stevens and A. Raymond Toakley, ST8:Aug 70:1832:7442, of "Optimum Elastic Design of Redundant Trusses", ST12:Dec 69:2589:6938

Roy, John R.
Numerical Error in Structural Solutions, ST4:Apr 71:1039:8036
Dsc: Robert W. Gerstner, Raymond M. Puzerewski and Donald M. Schultz, ST12:Dec 71:2924:8557
Dsc, ST12:Dec 69:2994:6932, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510

Roy, N.
See S. N. Ghosh, HY4:Apr 70:967:7241

Roy, Prasanta
See John Schroeder, EM1:Feb 71:63:7888

Rozvany, George I. N.
Slabs with Variable Straight Reinforcement, with Donald E. Charrett, ST5:May 71:1521:8095
Dsc, ST3:Mar 71:969:7944, of "Behavior of Simply Supported Slabs", ST12:Dec 69:2703:6945
See Robert E. Melchers, EM6:Dec 70:1093:7739

Rozvany, Geroge I.N.
Duality Between Limit Analysis and Limit Design, TN: EM6:Dec 71:1763:8559

Rubenstein, Moshe R.
Conjugate Gradient and Decomposition - Analogy, TN: ST8:Aug 71:2165:8275

Rubin, Meyer
See William Back, HY11:Nov 70:2325:7702

Rubinstein, Moshe F.
See Richard Rosen, ST3:Mar 70:663:7169

Ruckelshaus, William D.
Will Air Pollution Regulations Change Commuting Patterns?, CE:Sept 71:86

Ruiter, Earl R.
See Marvin L. Manheim, UTI:pp.207-241, 1971

Ruiz, Patricio
Stochastic Seismic Response of Structures, with Joseph Penzien, EM2:Apr 71:441:8050
Dsc, EM3:June 71:1024:815 , of "Maximum Structural Response to Seismic Excitations", EM5:Oct 70:729:7620

Ruiz, Walter M.
Reinforced Concrete Beams Under Repeated Loads, with George Winter, ST6:June 69:1189:6601
Dsc: Ganpat S. Pandit, ST5:May 70:734:7116
Clo: ST10:Oct 70:2230:7570
TR:136:133

Rumer, Ralph R., Jr.
See Robert P. Apmann, HY1:Jan 70:109:7018

Rumman, Wadi S.
Basic Structural Design of Concrete Chimneys, PO3:June 70:309:7334
Dsc: Robert W. Peirce, PO1:Jan 71:258:7784
Clo: PO3:July 71:718:8256

Runacher, J. M.
See Jean-Pierre Giroud, SM2:Mar 70:768:7115

Rusche, Fredric
Thin-wall Pile Driven by Improved Technique, CE:Jan 71:54

Rushing, John W.
See Mason B. Oldham, Jr., WW1:Feb 70:65:7060

Russell, Alan D.
Dsc, with Kenneth F. Reinschmidt, ST9:Sept 71:2437:8348, of "Optimum Design of Trusses for Ultimate Loads", ST1:Jan 71:157:7838
See Kenneth F. Reinschmidt, ST8:Aug 70:1829:7442
See Samuel L. Lipson, ST8:Aug 71:2057:8291

Russell, Eugene R.
Liquid Limit Values by Soil Moisture Tension, with L. Jack Mickle, SM3:May 70:967:7298
Dsc: Hassan A. Sultan, SM1:Jan 71:272:7785; Solomon Alao Adigun, SM2:Feb 71:505:7866
Clo: SM10:Oct 71:1488:8410
TR:136:1222

Russell, Larry R.
Probability Distributions for Hurricane Effects, WW1:Feb 71:139:7886

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Russell, Samuel O.
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Dsc: C. O. Clark, HY7:July 71:1161:8223; Chester C. Kisiel, HY12:Dec 71:2105:8552

Rutledge, Philip C.
Utilization of Marginal Lands for Urban Development, SM1:Jan 70:1:7000
TR:136:397

Ruus, Eugen
Head Losses in Wyes and Manifolds, HY3:Mar 70:593:7130
Dsc: John G. Stavropoulos, HY11:Nov 70:2392:7641
Clo: HY6:June 71:864:8155
TR:136:596
Stability of Oscillations in Simple Surge Tank, HY5:Sept 69:1577:6773
Dsc: George R. Rich, HY1:Jan 70:304:6988; Mohammad Hanif Chaudhry, HY5:May 70:1221:7248; Jelena Vucetic, HY8:Aug 70:1723:7439
Clo: HY3:Mar 71:447:7940
TR:136:213
See Mohammad Hanif Chaudhry, HY4:Apr 71:489:8044

Ryan, Christopher R.
ASCE and Public Policy, CE:Nov 71:78
See Leslie G. Bromwell, 4PCSM:pp.333-343, 1971

Saafan, Saafan A.
Theoretical Analysis of Suspension Roofs, ST2:Feb 70:393:7107
TR:136:588

Sachdev, Labh S.
Dsc, with William E. Popp, TE1:Feb 71:167:7864, of "Urban Mass Transportation: Review and Analysis", TE2:May 70:175:7277
Dsc, TE1:Feb 71:168:7864, of "Social Considerations of Urban Transportation Systems", TE3:Aug 70:333:7471
See Amos Roos, TE2:May 70:247:7251

Sacrison, Hans
Flathead Railroad Tunnel Construction, CO1:Mar 71:127:8009

Sadeh, W. Z.
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Saenz, Jose Tinajero
Settlement Around Shield Driven Tunnels (In Spanish), with Luis Vieitez Utesa, 4PCSM:pp.225-241, 1971

Saffir, Herbert S.
Hurricane Exposes Structural Flaws, CE:Feb 71:54
Dsc, ST1:Jan 70:165:6990, of "Guide for the Design of Aluminum Formed-Sheet Building Sheathing", ST8:Aug 69:1727:6744

Saghera, Santokh S.
Positive Moment and Inflection Points for Continuos and Fixed Beams, CE:Dec 70:30
Dsc: James R. Libby, CE:May 71:52; Asho Kumar Chugh, CE:May 71:52
TR:136:1173

Sagiv, Abraham
See Michael Poreh, HY10:Oct 70:2065:7637

Sakai, Tetsuo
See Yuichi Iwagaki, 12CEC:pp.309-325, 1971

Sakthivadivel, Ramaswamy
Clogging of Porous Column of Spheres by Sediment, with H. Hans Einstein, HY2:Feb 70:461:7075
TR:136:506
Dsc, with S. Seetharaman and M. V. Somasundaram, HY3:Mar 70:855:7113, of "Manning n for Cast-in-Place Concrete Pipe", HY3:May 69:995:6575
Dsc, with S. Seetharaman and M. V. Somasundaram, HY7:July 70:1621:7384, of " Needle Valves as Pressure Regulators", HY5:Sept 69:1633:6787
Dsc, with S. Seetharaman and G. Padmanabhan, HY10:Oct 71:1767:8407, of "Cavitation Parameters for Outlet Valves", HY12:Dec 70:2519:7771

Sakthivadivel, Ramaswamy Sakthivadivel
Dsc, with S. Seetharaman, HY1:Jan 71:180:7783, of "Designing Spillway Crests for High-Head Operation", HY3:Mar 70:745:7153

Salam, Ahmed E.
See Johnny M. Hutt, EM3:June 71:879:8211

Salama, Ahmed E.
See Harry R. Lundgren, EM2:Apr 71:477:8051

Salane, Harold J.
Finite-Difference Methods for Plate Vibration Problems, with Hudson Matlock, ST3:Mar 69:441:6477
Dsc: Jack Bayles, ST2:Feb 70:415:7047
Clo: ST9:Sept 70:1959:7567
TR:136:55

Salem, Adel Helmy
Buckling of Trapezoidal Frames Permitted to Sway, ST12:Dec 69:2621:6940
Errata: ST7:July 70:1619:7386
TR:136:416
Dsc, ST2:Feb 70:427:7047, of "Design and Analysis of Frames for Stability", ST4:Apr 69:695:6522

Salgo, Michael N.
Dsc, CE:Dec 71:67, on Graving Dock for 300,000-ton Ships, CE:June 71:71

Sallen, J. Ronald
Tolerable Settlements of Steam Turbine-Generators, with Ralph B. Peck, PO2:Oct 69:227:6841
Dsc: K. Ludwig, PO3:June 70:488:7312
Clo: PO2:Mar 71:585:7942
TR:136:86

Salley, James R.
See Melvin T. Davisson, SM5:Sept 70:1605:7511

Salmela, Larry
See Paul Christiano, TN: ST6:June 71:1835:8164

Salmon, Charles G.
See Paul A. Seaburg, ST1:Jan 71:203:7830

Salonen, Eero-Matti
Triangular Framework Model for Plate Bending, TN: EM1:Feb 71:149:7858

Salsano, Mario
See Giorgio M. Bulgarelli, Preprint No.1539, Oct 71

Saltzman, Arthur
Transportation Research for Community Objectives, with Alice E. Kidder, Florentine Sowell and Sidney H. Evans, Preprint No.1498, July 71

XUM

Salvadori, Mario G.
Spandrel-Slab Interaction, ST1:Jan 70:89:7017
Dsc: Umakanta Behera, ST11:Nov 70:2537:7644; Max Reiss, ST12:Dec 70:2666:7714
Clo: ST7:July 71:2016:8225
TR:136:810

Salvato, Joseph A., Jr.
Environmental Health and Community Planning, UP1:Aug 68:23:6084
Clo: UP2:Oct 70:163:7571
TR:136:238

Salver, Henry A.
See Richard E. Gray, SM5:Sept 70:1814:7499
See Richard E. Gray, PISST:pp.253-256, 1971
See Richard E. Gray, SM1:Jan 71:258:7785

Sammons, William H.
See David McGinnis, Jr., HY5:May 70:1201:7248
See Thomas L. Brown, HY1:Jan 71:182:7783

Sampath, V. S.
Dsc, HY8:Aug 71:1251:8267, of "Periodic Permanent Roll Waves", HY12:Dec 70:2565:7764

Samuelson, James A.
See Richard A. Kravitz, PO2:Oct 69:305:6855

Sanders, Wallace W., Jr.
Load Distribution in Steel Railway Bridges, with William H. Munse, ST12:Dec 69:2763:6952
Dsc: Mahlon J. Plumb, ST5:May 70:1006:7250
Clo: ST12:Dec 70:2665:7714
TR:136:435
See J. G. Arendts, ST11:Nov 70:2353:7695

Sandhu, Balbir S.
Economical Design of Reinforced Concrete Slabs and Walls, CE:July 71:68

Sandhu, Ranbir S.
Finite-Element Analysis of Seepage in Elastic Media, with Edward L. Wilson, EM3:June 69:641:6615
Errata: EM4:Aug 71:1293:8266
TR:136:770

Sandler, Ivan S.
See Frank L. DiMaggio, EM3:June 71:935:8212

Sandover, John A.
Theories of Closure of Rockfill Dams, CO2:Nov 71:313:8542

Sangal, Suresh
Dsc, with E. Benjamin Wylie, TE4:Nov 69:689:6868, of "Optimal Construction Staging by Dynamic Programming", HW2:Nov 68:255:6215

Sanglerat, Guy
Dsc, SM11:Nov 71:1601:8484, of "Electric Penetrometer For Site Investigations", SM2:Feb 71:457:7907
See J. Gielly, SM2:Feb 71:708:7866

Sangrey, Dwight A.
Dsc, SM3:May 70:1067:7249, of "Property Interrelationships in Sensitive Clays", SM4:July 69:1037:6666

Sankaran, Kolinjuvadi S.
Dsc, with D. Venkateswara Rao, SM7:July 71:1038:8224, of "Mechanisms Controlling Compressibility of Clays", SM6:Nov 70:1863:7649
Dsc, with Madurachari S. Subrahmanyam, SM8:Aug 71:1131:8270, of "Calculated and Observed Vibration Amplitudes", SM1:Jan 71:141:7789
Dsc, with Madurachari S. Subrahmanyam, SM9:Sept 71:1345:8347, of "Dynamic Moduli and Damping Ratios For Soft Clay", SM1:Jan 71:59:7813
Dsc, with D. Venkateshwar Rao, SM12:Dec 71:1714:8556, of "Aging Effects on Swell Potential of Compacted Clays", SM3:Mar 71:529:7951

Santathadaporn, Sakda
See Wai F. Chen, EM2:Apr 70:188:7188

Santhakumar, A. R.
Dsc, ST4:Apr 70:846:7191, of "Shear Strength of Reinforced Concrete Beams", ST6:June 69:1339:6636
Dsc, with L. K. Kamaraj and M. Lakshmipathy, EM3:June 70:370:7309, of "Bearing Capacity of Concrete Block or Rocks", EM4:Aug 69:955:6742

Santry, Israel W., Jr.
See J. Charles Jennett, SA5:Oct 69:849:6833

Saran, Swami
See Jagdish Narain, SM4:July 69:969:6655
See Shamsher Prakash, SM1:Jan 71:95:7814

Sargious, Michael
Rigid Pavement Stresses Under Aircraft Loading, with Grant A. Ross and Gerald A. LeMoal, TE4:Nov 71:579:8492

Sarkar, Asok K.
See Arun K. Deb, SA2:Apr 71:141:8032

Sarlin, William O.
See Orville T. Magoon, 12CEC:pp.2251-2265, 1971

Sarma, K. V.N.
See M. Krishnamurthy, HY12:Dec 70:2658:7711

Sarpkaya, Turgut
Dsc, HY2:Feb 70:589:7045, of "Crest Losses for Two-Way Drop Inlet", HY3:May 69:919:6570

Sato, Shoji
Variation of Topography of Sea-bed Caused by the Construction of Breakwaters, with Isao Irie, 12CEC:pp.1301-1319, 1971

Sauer, S. P.
Evaluating Low-Flow Characteristics, with Henry C. Riggs, Preprint No.1329, Jan 71

Saulmon, Robert W.
Need for Envelope Material Above Draintile, TN:IR4:Dec 71:661:8560

Saurin, Brendan F.
Design Criteria for Fenders and Berthing Structures, BMS:pp.256-259, 1971
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Savage, S. B.
See O. Hawaleshka, 12CEC:pp.461-472, 1971

Sawyer, Herbert A.
Dsc, ST2:Feb 71:722:7867, of "Moment Redistribution in Precast Concrete Frame", ST3:Mar 70:637:7168

Saxton, Keith E.
Hydrology and Erosion of Loessial Watersheds, with Ralph G. Spomer and Larry A. Kramer, HY11:Nov 71:1835:8523

Sayegh, Antone F.
Analysis of Laminated Curved Beams, with Stanley B. Dong, EM4:Aug 70:471:7495
TR:136:1034

Saylor, James H.
Properties of Longshore Bars in the Great Lakes, with Edward B. Hands, 12CEC:pp.839-853, 1971

Sayre, William W.
See Harvey E. Jobson, HY3:Mar 70:703:7148
See Harvey E. Jobson, HY10:Oct 70:1983:7618
See Chih Ted Yang, HY2:Feb 71:265:7892
See Chih Ted Yang, HY7:July 71:907:8228

Scalf, Marion R.
Phosphate Removal at Baltimore, Maryland, with Fred M. Pfeffer, Lawrence D. Lively, Jack L. Witherow and Charles P. Priesing, SA5:Oct 69:817:6817
Dsc: Carl Beer, SA2:Apr 70:648:7190
Clo: SA6:Dec 70:1441:7713
TR:136:103

Scalzi, John B.
Cable-Suspended Roof Construction State-of-the-Art, Subcommittee on Cable-Suspended Roof Structures of the Task Committee on Special Structures of the Committee on Metals of the Structural Division, ST6:June 71:1715:8190
Can Decision-Making Be Taught?, CE:July 70:37
TR:136:501
Mechanical Properties of Structural Cables, with William K. McGrath, ST12:Dec 71:2837:8604

Scanlan, Robert H.
Airfoil and Bridge Deck Flutter Derivatives, with John J. Tomko, EM6:Dec 71:1717:8609
Dynamic Prediction of Pile Static Bearing Capacity, with John J. Tomko, SM2:Mar 69:583:6468
Dsc: Ibrahim H. Sulaiman, Teddy J. Hirsch and Harry M. Coyle, SM1:Jan 70:353:6989; Paul F. Keim, SM1:Jan 70:355:6989
Clo: SM5:Sept 70:1801:7499
TR:136:677
Dsc, ST10:Oct 69:2325:6803, of "Field Observation of Tagus River Suspension Bridge", ST4:Apr 69:555:6492
See Jon D. Raggett, Preprint No.1367, Apr 71

Scarato, Russell F.
See Thomas M. Rachford, SA6:Dec 69:1063:6957

Scarpa, Amerigo
See Marvin Gates, CO1:July 69:65:6681
See Marvin Gates, Preprint No.1393, Apr 71

Schaake, John C., Jr.
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See Armando I. Perez, HY1:Jan 70:131:7026
See George R. Grantham, SA5:Oct 71:569:8429
See Richard de Neufville, SA6:Dec 71:825:8575

Schaefer, William E.
Effective Freeway Traffic Management System, with Jesus M. Garcia, Jr. and Richard J. Murphy, Preprint No.1476, July 71

Schaezler, Donald J.
See Robert L. Irvine, SA4:Aug 71:409:8323

Schaub, James H.
See Lyle K. Moulton, TE4:Nov 69:587:6871
See Lyle K. Moulton, TE4:Nov 69:605:6872

Scheffey, Charles F.
Point Pleasant Bridge Collapse-Conclusions of the Federal Study, CE:July 71:41

Schellens, Dieter F.
New Zeiss Electro-Optical Instrumentation, SU2:Sept 70:173:7526
TR:136:905

Schelling, David R.
Errors in Step Wise Solutions to Bridge Vibrations, ST10:Oct 70:2045:7600
Errata: ST9:Sept 71:2426:8348
TR:136:1192

Scherz, James P.
Monitoring Water Pollution by Means of Remote Sensing Techniques, Preprint No.1317, Jan 71
Monitoring Water Pollution by Remote Sensing, SU2:Nov 71:307:8550
See Ralph W. Kiefer, SU1:Apr 70:57:7225
See Ralph W. Kiefer, SU2:Nov 71:321:8545

Scheyhing, Ernest R.
See Joel I. Abrams, EM6:Dec 70:847:7758

Schiebe, Frank R.
Dsc, HY5:May 70:1222:7248, of "Pressure Fluctuations on Submerged Sluice Gate", HY4:Nov 69:1781:6875
See Heinz Stefan, SA6:Dec 70:1415:7762

Schiedel, Ekkehard
Dsc, EM6:Dec 69:1446:6929, of " Over-All and Local Buckling of Channel Columns", EM2:Apr 69:447:6513

Schiffman, Robert L.
An Analysis of Consolidation Theories, with Albert T-F Chen and Jane C. Jordan, SM1:Jan 69:285:6370
Dsc: Carlo Viggiani, SM1:Jan 70:331:6989; Edward H. Davis and Harry G. Poulos, SM1:Jan 70:334:6989
Errata: SM5:Sept 70:1793:7499
TR:136:650
Futures of Computers and Computing, Preprint No.1564, Oct 71
Interactive Graphics: Settlement and Slope Stability, with Jack R. Stein, ST1:Jan 71:253:7832
Settlement Problem Oriented Computer Language, with Robert V. Whitman and Jane C. Jordan, SM2:Mar 70:649:7178
Dsc: Jean-Pierre Giroud, SM6:Nov 70:2160:7643
Clo: SM7:July 71:1029:8224
Dsc, SM3:Mar 71:595:7943, of "Plane Strain Consolidation by Finite Elements", SM4:July 70:1435:7437

Schilling, Adolf A.
River Diversion for Boundary Dam, PO3:June 70:319:7339
Dsc: Frederic L. Lawton, PO1:Jan 71:259:7784
Clo: PO3:July 71:719:8256
TR:136:1027

Schimpeler, Charles C.
See Thomas J. Hillegass, UP1:Mar 70:17:7126

Schindler, Richard
Dsc, CE:Aug 71:38, on Engineer Firms Face Unionization, CE:Apr 71:49

Schlemmer, Frederick Charles
Memoir of, TR:136:1365

Schleusener, Richard A.
New Water for Northern Plains, IR1:Mar 70:53:7145
TR:136:559
Weather Modification Regulation, IR3:Sept 70:281:7537
TR:136:1139
See Merlin C. Williams, IR1:Mar 70:61:7171

Schlickenrieder, Warren
See Russell C. Mt. Pleasant, SA5:Oct 71:709:8469

Schmertmann, John H.
Dsc, SM1:Jan 70:363:6989, of "Sand Densification by Heavy Vibratory Compactor", SM4:July 69:985:6656

XUM

Dsc, SM4:July 70:1483:7385, of "Tests on Instrumented Piles, Ogeechee River Site", SM2: Mar 70:561:7170
Dsc, PISST:pp.389-391, 1971, of "Sand Densification by Heavy Vibratory Compactor", PISST:pp.379-388, 1971

Schmid, Werner E.
See Cetin Soydemir, SM6:Nov 70:2081:7708

Schmidgall, Tasso
Spillway Gate Vibrations on Arkansas River Dams, Preprint No.1331, Jan 71

Schmidt, Birger
Dsc, SM5:Sept 70:1841:7499, of "State of Predictive Art in Subsidence Engineering", SM2:Mar 70:721:7187

Schmidt, Lewis C.
See William R. Flower, ST12:Dec 71:2777:8569
See Geoffrey D. Base, ST12:Dec 71:2920:8557

Schmidt, Norbert O.
See A. David Alcott, SM5:May 71:803:8083

Schmidt, Robert
Dsc, EM4:Aug 69:1016:6705, of "A Numerical Technique for Elastica Problems", EM5:Oct 68:1159:6182
Dsc, EM3:June 70:373:7309, of "Axisymmetric Finite Deflection of Circular Plates", EM5:Oct 69:1125:6832
Dsc, EM1:Feb 71:132:7862, of "Bending of Clamped Orthotropic Sandwich Plates", EM3:June 70:243:7340

Schnabel, Harry, Jr.
Sloped Sheeting, CE:Feb 71:48

Schneider, Jerry B.
Policy Delphi: A Regional Planning Application, Preprint No.1454, July 71

Schneider, Verne R.
See Hsieh W. Shen, HY6:Nov 69:1919:6891

Schneider, William J.
Hydrologic Data for Storm Drainage Design, Preprint No.1328, Jan 71

Schnelle, Karl B.
See Edward L. Thackston, SA2:Apr 70:319:7218

Schnepper, Donald H.
See Thomas A. Butts, SA2:Apr 70:477:7235

Schnitter, Gerold
See Herbert H. Einstein, SM6:Nov 70:2007:7684

Schnobrich, William C.
See David A. Pecknold, ST4:Apr 69:715:6523
See Robert L. Carter, EM5:Oct 69:1033:6808

Schoenberg, Michael
Large Deflections of Viscoelastic Rings, EM1:Feb 69:223:6410
TR:136:684

Schoenberger, R. J.
Incinerator-Residue-Fill Site Investigation, with A. A. Fungaroli, Preprint No.1322, Jan 71

Schoenberger, Robert J.
Incinerator-Residue-Fill Site Investigation, SM10:Oct 71:1431:8451
Residue Characterizations, with Paul W. Purdom, SA3:June 69:387:6590
TR:136:735

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Proposed Tracked Air Cushion Vehicle System for Los Angeles International Airport, NA:Mar 71:115

Schofer, Joseph L.
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See Martin Wachs, UP2:Oct 70:147:7639
See Martin Wachs, Preprint No.1449, July 71
See Gorman Gilbert, Preprint No.1491, July 71

Schooler, Kermit K.
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Schoppert, Richard C.
ACI --A Tool for Simulation and Process Control, Preprint No.1433, July 71

Schrader, Charles R.
Engineering Education and a Professional Ethic, PP1: Oct 71:147:8460
The Human Factor, Preprint No.1426, July 71
Optimum Replacement Life Of Large Scrapers, CO1: Mar 71:37:8000
Dsc: Douglas M. Mattick, CO2:Nov 71:343:8482

Schrecongost, R. W.
See George K. Young, SA5:Oct 68:829:6147

Schreiner, Robert N.
See Frank W. Galbraith, EM5:Oct 68:1015:6140

Schroeder, John
Yield Points For Partially Loaded Spherical Domes, with Prasanta Roy, EM1:Feb 71:63:7888

Schroeder, Warren L.
Dsc, SM3:May 70:1071:7249, of "Behavior of Dry Sands under Cyclic Loading", SM4:July 69:1097:6698

Schuchardt, Leon J.
Automatic Drafting System Aids Wisconsin Bridge Design, CE:Feb 70:38
TR:136:164

Schujman, Jaime
See Nestor Distefano, EM5:Oct 71:1349:8424

Schultz, Donald M.
See Robert W. Gerstner, ST12:Dec 71:2924:8557

Schumm, Stanley A.
River Metamorphosis, HY1:Jan 69:255:6352
Dsc: Robert L. McFall, HY6:Nov 69:2190:6 ; Shrikrishna V. Chitale, HY2:Feb 70:586:7045
Clo: HY8:Aug 70:1715:7439
TR:136:38

Schupack, Morris
See Allan H. Wern, PO2:Mar 71:539:7992

Schuster, J. C.
Radioisotopes and Turbine Flow Measurements, with R. L. Hansen, Preprint No.1294, Jan 71

Schuster, Robert L.
See Roy A. Anderson, Preprint No.1478, July 71

Schwab, Glenn O.
Effect of Openings on Design of Subsurface Drains, with Darrell W. DeBoer and Howard P. Johnson, IR1:Mar 69:199:6480
Dsc: Andre Van der Beken, IR1:Mar 70:97:7114
Clo: IR4:Dec 70:491:7712
TR:136:41
See Om P. Gulati, IR4:Dec 70:437:7751

Schwaighofer, Joseph
Dsc, ST8:Aug 70:1810:7442, of "Analysis of Shear Walls with Openings", ST10:Oct 69:2093:6824

Schwartz, H. Ivan
Hydraulic Trenching of Submarine Pipeline, TN: TE4:Nov 71:723:8489

Schwarz, Joachim
The Pressure of Floating Ice-fields on Piles, 12CEC: pp.1523-1536, 1971

Schweick, Thomas A.
TMIS -- A Terminal Management Control System, Preprint No.1430, July 71

Scolaro, Hugo
See Carlos A. Micucci, 4PCSM:pp.307-317, 1971

Scordelis, Alexander C.
Analytical Study of Tubular Tee-Joints, with Jack G. Bouwkamp, ST1:Jan 70:65:7016
TR:136:532
Dsc, with Kaspar J. William, ST7:July 70:1622:7386, of "Folded Plate Structures by Finite Strip Method", ST12:Dec 69:2963:6985
See Christian Meyer, ST10:Oct 71:2459:8434

Scott, David
See Graham Cullingford, CO1:June 70:85:7308

Scott, John R.
See Patrick T. Lording, WW2:May 71:341:8138

Scott, Ronald F.
See DeFro Tossey, SA1:Feb 70:75:7106

Scott, Ronald Fraser
In-Place Ocean Soil Strength By Accelerometer, SM1:Jan 70:199:7013
TR:136:768
See Nicholas C. Costes, SM6:Nov 70:2045:7704

Scott, Verne H.
See Gert Aron, HY5:May 71:705:8145

Scrivener, J. C.
See A. H. Bryant, ST4:Apr 71:611:6496

Scrivner, Frank H.
See William Ronald Hudson, ST1:Jan 71:81:7852

Scrivner, Loyd R.
See Merlin D. Copen, PO1:Jan 70:93:7021

Seaburg, Paul A.
Minimum Weight Design of Light Gage Steel Members, with Charles G. Salmon, ST1:Jan 71:203:7830

Seay, Robert H.
Dsc, ST9:Sept 71:2448:8348, of "Concrete Column Design by AASHO Specifications", ST4:Apr 71:1187:8070

Seed, H. Bolton
Analysis of Sheffield Dam Failure, with Kenneth L. Lee and Izzat M. Idriss, SM6:Nov 69:1453:6906
TR:136:271
Influence of Soil Conditions on Building Damage Potential During Earthquakes, with Izzat M. Idriss, ST2:Feb 71:639:7909
Dsc: Melvin W. Jackson, ST7:July 71:2033:8225; Ramzi H. Ferahian, ST9:Sept 71:2443:8348
Simplified Procedure for Evaluating Soil Liquefaction Potential, with Izzat M. Idriss, SM9:Sept 71:1249:8371
Test Procedures for Measuring Soil Liquefaction Characteristics, with William H. Peacock, SM8:Aug 71:1099:8330
See Grant A. Ross, SM4:July 69:1007:6664
See Kenneth L. Lee, SM2:Mar 70:411:7136
See Izzat M. Idriss, SM2:Mar 70:631:7175
See Houshang Dezfulian, SM6:Nov 70:1893:7659
See Houshang Dezfulian, SM1:Jan 71:27:7808
See William D. Kovacs, SM1:Jan 71:59:7813
See William D. Kovacs, SM2:Feb 71:441:7878
See Marshall L. Silver, SM8:Aug 71:1081:8334
See Marshall L. Silver, SM9:Sept 71:1171:8354

Seeger, Frederick J.
Cross-Country Pipeline Construction, with John A. Havers, TE4:Nov 70:603:7667
TR:136:1270

Seemann, Gerald R.
Subway Aerodynamic Valved Entry SAVE System , Preprint No.1470, July 71

Seetharaman, S.
See Ramaswamy Sakthivadivel, HY3:Mar 70:855:7113
See Ramaswamy Sakthivadivel, HY7:July 70:1621:7384
See Ramaswamy Sakthivadivel Sakthivadivel, HY1:Jan 71:180:7783
See Ramaswamy Sakthivadivel, HY10:Oct 71:1767:8407

Seetharama Rao, V.
See C. J. Garrison, WW2:May 71:259:8111

Seetharamiah, Kaveti
See Annapareddy Siva Reddy, HY7:July 71:1101:8248

Seetharamiah, Kyatsandra
Dsc, with Rama Prasad, HY6:Nov 69:2157:6866, of "Reducing Cavitation in Valves", HY6:Nov 68:1475:6255
See Nagar S. Lakshmana Rao, HY2:Feb 70:331:7055

Sefchovich, Eli
Condenser Cooling and Pumped Storage Reservoirs, Preprint No.1292, Jan 71
Condenser Cooling and Pumped-Storage Reservoirs, PO3:July 71:611:8247

Seginer, Ido
See Michael Poreh, HY10:Oct 70:2065:7637

Seide, Paul
Small Vibrations of Uniformly Compressed Isotropic Elastic Solids, TN: EM4:Aug 71:1337:8273
Dsc, ST4:Apr 71:1380:8015, of "Nonsymmetric Vibrations of Thin Cylindrical Shells", ST10:Oct 70:2175:7632

Seidel, Daniel F.
Evaluation of Anaerobic Denitrification Processes, with Ronald W. Crites, SA2:Apr 70:267:7211
Dsc: Carl Beer, SA6:Dec 70:1452:7713; Kurt J. Guter, Wayne F. Echelberger, Jr. and Mark W. Tenney, SA1:Feb 71:109:7865
Clo: SA5:Oct 71:756:8409
TR:136:1247

Seim, Charles
Analysis of the Southern Crossing Cable-stayed Girder, with Stanford Larsen and Arthur Dang, Preprint No.1402, Apr 71
Design of the Southern Crossing Cable Stayed Girder, with Stanford Larsen and Arthur Dang, Preprint No.1352, Jan 71

Seinwill, Gerald D.
See Bruce Barker, WW4:Nov 70:874:7645
See Bruce Barker, SA1:Feb 71:124:7865

Selig, Ernest T.
Retaining Wall Experiment to Evaluate Soil Strain Gage, with Jackson Ho, TN: SM6:June 71:953:8162
See Delon Hampton, SM4:July 70:1391:7434

Sell, Lloyd E.
Hydroelectric Power Plant Trashrack Design, PO1:Jan 71:115:7819
Dsc: Ernest C. James and Fredric T. Katakura, PO4:Dec 71:876:8551

Selleck, Robert E.
See Harvey F. Collins, NSCD:pp.137-161, 1971
See Harvey F. Collins, SA5:Oct 71:549:8430

XUM

Selna, Lawrence G.
Creep, Cracking, and Shrinkage in Concrete Frame Structures, ST12:Dec 69:2743:6949
TR:136:1232
See Gerald T. Orlob, HY2:Feb 70:391:7063

Semrad, Peter
See Robert V. Kycek, Preprint No.1554, Oct 71

Sen, A.
See A. N. Biswas, HY5:May 71:747:8081

Serafim, J. Laginha
Complete Adjustment Method for Analyzing Arch Dams, with J. Caldeira Rodrigues, Alferdo Portelo and Mario J. Milho, ST8:Aug 70:1711:7492
Dsc: K. V. Swaminathan and C. R. Venkatesha, ST6:June 71:1818:8159; Michele A. Fanelli, ST6:June 71:1823:8159; Bernhard E. Gilg and R. Zwahlen, ST6:June 71:1824:8159
Dsc, PO1:Jan 71:241:7784, of "Arch Dam Design: State-of-the-Art", PO1:Jan 70:93:7021
Dsc, ST11:Nov 71:2761:8485, of "Automatic Design of Shell Structures", ST1:Jan 71:191:7825

Serr, Eugene F.
Interagency Approach to Watershed Problems Of Eel River, IR1:Mar 71:181:7983

Seshagiri, N.
See K. Keshava Murthy, HY12:Dec 70:2628:7711

Setlur, Achyut V.
See S. K. Radhamohan, ST6:June 71:1775:8216

Shackson, Richard H.
Transportation Innovation and the Manufacturee, UTI:pp.367-383, 1971

Shadburn, Morris Luther
Memoir of, TR:136:1367

Shaffer, Louis R.
Bidding With Competitive Strategy Models, with Terry W. Micheau, CO1:Mar 71:113:8008
Dsc: James E. Spooner, CO2:Nov 71:345:8482

Shah, Haresh C.
See Masaru Hoshiya, EM4:Aug 71:1239:8331

Shah, Nanak V.
See S. Narasimhan, HY9:Sept 71:1530:8345

Shah, Surendra P.
Effects of Reinforcements on Ductility of Concrete, with B. Vijaya Rangan, ST6:June 70:1167:7366
Dsc: Satyendra K. Ghosh, ST3:Mar 71:988:7944; Ryszard Kowalczyk, ST3:Mar 71:989:7944; K. Nagi Reddy and S. Ramaswamy Reddy, ST3:Mar 71:991:7944
Clo: ST10:Oct 71:2604:8411
TR:136:1262
Griffith Fracture Criterion and Concrete, with Fred J. McGarry, EM6:Dec 71:1663:8597

Shah, Surendra R.
Torsional Vibrations of Conical Frustum, EM5:Oct 71:1521:8452

Shane, Richard M.
Peak Flood Discharge Confidence Limits, with Walter R. Lynn, HY1:Jan 69:161:6329
TR:136:641
See Tung Au, Preprint No.1355, Apr 71

Shangarpawar, S. D.
Dsc, with S. M. Dhabadgaonkar, SA6:Dec 71:948:8555, of "Physical Behavior of Flocculent Suspensions in Upflow", SA2:Apr 71:209:8054

Shank, George E.
See John B. Herbich, WW1:Feb 71:57:7870

Shankarachar, D.
Dsc, with T. R. Chandrasekhara, HY4:Apr 70:1045:7189, of "A Man of Hydraulics: Henri de Pitot (1695-1771)", HY4:July 69:1129:6650

Shankarachar, D. M.
Dsc, HY9:Sept 70:1896:7497, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891

Shanker, N. Babu
Dsc, SM3:May 70:1070:7249, of "Property Interrelationships in Sensitive Clays", SM4:July 69:1037:6666

Shannon, John W.
Use of Atmometers in Estimating Evapotranspiration, IR3:Sept 68:309:6120
TR:136:840

Shannon, V.
Advantages Of Inclined-Axis Hydroelectric Units, with Charles H. Fogg, PO2:Mar 71:395:7948

Shannon, William L.
Tied-Back Foundation Wall for Seattle First National Bank, with Robert J. Strazer, CE:Mar 70:62
TR:136:302

Sharda, S. C.
Dsc, SM2:Mar 70:773:7115, of "Settlement of Building on Deep Compressible Soil", SM3:May 69:769:6547

Sharifi, Parviz
Nonlinear Buckling Analysis of Sandwich Arches, with Egor P. Popov, EM5:Oct 71:1397:8417

Sharma, Hari R.
Dsc, HY9:Sept 71:1567:8345, of "Hydraulic Jump Within Gradually Expanding Channel", HY1:Jan 71:31:7831
See Satya P. Garg, HY3:Mar 71:409:7994

Sharma, S. P.
Dsc, with A. Rajaraman, ST8:Aug 71:2153:8271, of "Concrete Box-Girder Bridges as Sandwich Plates", ST11:Nov 70:2353:7695

Sharma, Satya S.
Strength of Steel Columns with Biaxially Eccentric Load, with Edwin H. Gaylord, ST12:Dec 69:2797:6960
TR:136:457
See Ishwar C. Syal, ST3:Mar 70:469:7143
See Ishwar C. Syal, ST9:Sept 71:2245:8384

Sharp, James J.
Spread of Buoyant Jets at the Free Surface, HY3:May 69:811:6538
Dsc: Habib O. Anwar, HY1:Jan 70:288:6988
Errata: HY2:Feb 70:588:7045
Clo: HY8:Aug 70:1717:7439
TR:136:66
Unsteady Spread of Buoyant Surface Discharge, HY9:Sept 71:1471:8396
Dsc, HY4:Apr 70:1065:7189, of "Behavior of Buoyant Jet in Calm Fluid", HY4:July 69:1289:6688
Dsc, HY8:Aug 70:1767:7439, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY4:Apr 71:627:8012, of "Calibration of Walnut Gulch Supercritical Flumes", HY8:Aug 70:1681:7479
Dsc, HY9:Sept 71:1571:8345, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994

Sharp, Maurice L.
Field Tests of Aluminum Orthotropic Bridge Deck, ST11:Nov 69:2463:6920
Dsc: Harvey A. Kagan, ST7:July 70:1614:7386
Clo: ST3:Mar 71:967:7944
TR:136:382

Thin Aluminum Shear Webt, with John W. Clark, ST4:Apr 71:1021:8048
Dsc: Robert T. Ratay, ST9:Sept 71:2444:8348

Sharpe, Roland L.
Structural Response to Sonic Booms, with Garrison Kost, ST4:Apr 71:1157:8063
Dsc: Melvin W. Jackson, ST10:Oct 71:2628:8411; David H. Cheng and Jacques E. Benveniste, ST12:Dec 71:2928:8557

Shaw, Richard P.
See George F. Carrier, EM6:Dec 71:1703:8611

Shaw, Thomas L.
Effect Of Side Walls On Flow Past Bluff Bodies, HY1:Jan 71:65:7788
Dsc: Andreas Richter, HY8:Aug 71:1258:8267; Anching Lin, HY10:Oct 71:1781:8407; B. C. Syamala Rao and D. V. Chandrasekhara, HY10: Oct 71:1782:8407
Integration Of Pumped-Storage With Tidal Power, with Geoffrey R. Thorpe, PO1:Jan 71:159:7810
Steady Flow Past Flat Plate in Channel, HY6:Nov 69:2013:6903
Dsc: K. G. Ranga Raju and Ramachandra J. Garde, HY8:Aug 70:1749:7439
Clo: HY3:Mar 71:453:7940
TR:136:306

Shea, Gerald P.
See Austin E. Brant, Jr., 1971

Sheaffer, John R.
Urban Water Planning and Management: A Conceptual Framework and Problem Focus, UWRM:pp.5-7, 1971

Sheehey, Roy T.
Financial Tools for a Geotechnical Consulting Firm, 4PCSM:pp.345-353, 1971

Shelef, Gedalia
Algal Reactor For Life Support Systems, with William J. Oswald and P. H. McGauhey, SA1:Feb 70:91:7105
TR:136:797

Shemdin, Omar H.
Tidal Motion in Bays, with R. M. Forney, 12CEC: pp.2225-2242, 1971

Shen, Hsieh W.
Local Scour Around Bridge Piers, with Verne R. Schneider and Susumu Karaki, HY6:Nov 69:1919: 6891
Dsc: Charles R. Neill, HY5:May 70:1224:7248; Jean A. Larras, HY6:June 70:1368:7310; Alan T. Roper, M. Krishnamurthy and Herman N. C. Breusers, HY7:July 70:1636:7384; L. Veiga Da Cunha, HY8:Aug 70:1742:7439; D. Shankarachar Brensers and T. R. Chandrasekhara, HY8:Aug 70:1747:7439; Anthony Rylands Thomas, HY9:Sept 70:1894: 7497; D. M. Shankarachar, HY9:Sept 70:1896: 7497
Clo: HY9:Sept 71:1513:8345
TR:136:851
Dsc, HY6:June 70:1371:7310, of "Sediment Measurement Techniques: E. Airborne Sediment, by the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division", HY1: Jan 70:29:7001
See Sylvester Petryk, TN: HY6:June 71:883:8161
See Suryanarayana Bhamidipaty, WW4:Nov 71:615: 8493

Sheninger, Eugene L.
Experiments on Nonsway Structural Subassemblages, with Le-Wu Lu, ST3:Mar 70:573:7159
TR:136:834

Shepherd, Robin
See Warren R. Walpole, ST10:Oct 69:2031:6813

Sher, Neil C.
Evolution of Transit Thinking: The Twin Cities, Preprint No.1501, July 71

Sherard, James L.
Mixing-in-Place Soil and Portland Cement, SM6:Nov 69:1357:6909
Dsc: Carl R. Wilder and Leonard T. Norling, SM4:July 70:1476:7385; M. Minkov and D. Evstatiev, SM5:Sept 70:1821:7499
Clo: SM4:Apr 71:681:8014
TR:136:305
Dsc, SM5:Sept 70:1828:7499, of "Design, Construction and Performance of Sesquile Dam", SM1:Jan 70:177:6996

Sherbourne, Archibald N.
Ultimate Strength of Plates in Uniaxial Compression, with R. M. Korol, Preprint No.1386, Apr 71
See Fernand Ellyin, EM6:Dec 68:1317:6265
See Narendra K. Srivastava, EM1:Feb 71:13:7902
See Settiana G. Krishnasamy, TN: ST3:Mar 71:1015: 7946
See Sridhara D.N. Murthy, TN: EM3:June 71:1033: 8160

Sherman, Donald R.
Residual Stresses and Tubular Compression Members, ST3:Mar 71:891:8001
Torsionally Stiff Columns under Eccentric Loads, with Donald E. Lukas, ST2:Feb 70:335:7090
TR:136:577

Sherman, Walter C., Jr.
See Chandrakant S. Desai, SM2:Feb 71:357:7915

Sherman, Zachary
Volume Minimization of Thin Plates Subject to Constraints, with Ping-Chun Wang, EM3:June 71: 741:8192

Sherratt, F.
See D. J. Ashby, ST10:Oct 69:2322:6803

Shewmaker, Robert E.
Dsc, PO1:Jan 71:262:7784, of "Post-Tensioned Concrete Nuclear Structures", PO3:June 70:400: 7355
Dsc, CO2:Nov 71:344:8482, of "Construction Of Multibarrier Containment Vessels", CO1:Mar 71: 53:8002

Shieh, Rong-Chung
Asymptotic Stability Analysis of Viscoelastic Systems, EM2:Apr 71:193:8035

Shieh, William Y. J.
See Roman P. Wengler, PO1:Jan 71:25:7805

Shields, John M.
Channel Rectification Engineering Survey Program, SU1:May 71:61:8119

Shih, Chia Shun
System Optimization of Waste Treatment Plant Process Design, with John A. DeFilippi, SA2:Apr 70:409:7230
TR:136:846

Shi-igai, Hiroyoshi
Analytical Approach on Wave Overtopping on Levees, with Tsugio Kono, 12CEC:pp.563-573, 1971

Shimek, C. L.
Dsc, CE:Jan 71:71, on Politics and Water Pollution, CE:Oct 70:41

XUM

Shinozuka, Masanobu
Maximum Structural Response to Seismic Excitations, EM5:Oct 70:729:7620
Dsc: Patricio Ruiz, EM3:June 71:1024:815
Clo: EM6:Dec 71:1741:8551

Shiozawa, Sam
Dual Purpose Desalting in the Pacific Southwest, Preprint No.1353, Jan 71

Shipley, Henry
Development of Automation on Salt River Project, IR2:June 70:151:7373
TR:136:918

Shiraishi, Shunta
A Civil Engineer's Guide to EXPO 70, with Yuzo Matsui, CE:Mar 70:43
TR:136:243
See Tatsuo Nishiki, ST6:June 70:1017:7325

Shklarsky, Elisha
See Moshe Livneh, SM10:Oct 71:1491:8410

Shockley, Clyde A., Jr.
Memoir of, TR:136:1367

Shore, Sidney
See Chen Pang Tan, ST4:Apr 70:860:7191
See Chen Pang Tan, ST4:Apr 70:861:7191
See Richard Douty, ST1:Jan 71:273:7837

Short, David L.
See Emmett M. O'Loughlin, &HY10:Oct 71:1771:8407

Shortreed, John H.
See John P. Braaksma, TE2:May 71:187:8090

Shoukry, Zaher
Bolted Connections with Varied Hole Diameters, with William Thomas Haisch, ST6:June 70:1105:7349
TR:136:954

Shridharan, Kalamear
See Nagar S. Lakshmana Rao, HY1:Jan 70:95:7011

Shrivastava, J. P.
Lagrangian Formulation of Statics of Shells, with Peter G. Glockner, EM5:Oct 70:547:7584
Errata: EM5:Oct 71:1557:8406
TR:136:1076
See Peter G. Glockner, EM6:Dec 69:1331:6956

Shubeck, Robert J.
See Kenneth L. Lee, SM1:Jan 71:219:7833

Shubinski, Robert P.
Dsc, HY6:June 70:1374:7310, of "Numerical Solution of Saint-Venant Equations", HY1:Jan 70:223:7043
See Carl W. Chen, HY2:Feb 71:289:7924

Shuk, Tomas
Design, Construction and Performance of Sesquile Dam, with Ricardo Cajiao and Jesus M. Sierra, SM1:Jan 70:177:6996
Dsc: James L. Sherard, SM5:Sept 70:1828:7499
Clo: SM4:Apr 71:682:8014
TR:136:379

Shukla, Manoj Kumar
See Singamsetti Surya Rao, HY11:Nov 71:1807:8515

Shulka, Shyam N.
Lateral Buckling of Parabolic Arches with Tilting Loads, with Morris Ojalvo, ST6:June 71:1763:8209

Shull, Roger Don
Transport of Dissolved Wastes in Rivers, with Earnest F. Gloyna, SA6:Dec 69:995:6948
TR:136:249

Shumway, S. E.
See P. V. Hobbs, Preprint No.1341, Jan 71

Shunk, Gordon
See Davit Fresko, Preprint No.1490, July 71

Shuto, Nobuo
Hydraulic Resistance of Artificial Concrete Blocks, with Hiroshi Hashimoto, 12CEC:pp.1587-1599, 1971

Shuval, Hillel I.
Natural Virus Inactivation Processes in Sea Water, with Andrew Thompson, Badri Fattal and Samuel Cymbalista, NSCD:pp.429-452, 1971
Natural Virus Inactivation Processes in Seawater, SA5:Oct 71:587:8427

Sidamon-Eristoff, Constantine
Is Joint Development the Chicken, or the Egg?, TE3:Aug 71:469:8315

Siddiqi, R. H.
Evaluation of Some Stabilization Ponds in India, with B. K. Handa, SA1:Feb 71:91:7912
Dsc: Santosh R. Goswami, SA4:Aug 71:542:8269
Dsc, SA1:Feb 71:127:7865, of "Unified Basis for Biological Treatment Design and Operation", SA3:June 70:757:7365

Sidebottom, Omar M.
See John C. McWhorter, EM2:Apr 71:345:8046

Sides, Geoffrey R.
See Laing Barden, SM4:July 70:1171:7397

Sides, John Patrick
See William S. Gaither, WW3:Aug 69:395:6750

Siefert, Winfried
Wave Investigations in Shallow Water, 12CEC:pp.151-178, 1971

Sierleja, Edward J.
Simulation for Planning Railroad Operations, Preprint No.1437, July 71

Sierra, Jesus M.
See Tomas Shuk, SM1:Jan 70:177:6996

Sikes, Philip G.
Concrete Chimney Design, Construction and Operation, PO3:June 70:449:7368
Dsc: Robert W. Peirce, PO1:Jan 71:264:7784

Silano, Louis G.
See Alfred Hedefine, CE:Aug 70:64
See Alfred Hedefine, ST11:Nov 71:2653:8533

Silberman, Edward
Effects of Helix Angle on Flow in Corrugated Pipes, HY11:Nov 70:2253:7685
Dsc: Jerome M. Normann, HY8:Aug 71:1243:8267
Dsc, HY1:Jan 70:298:6988, of "Manning n for Cast-in-Place Concrete Pipe", HY3:May 69:995:6575

Sill, John W.
Sand Fill Pumped 15 Miles for Interstate Construction, CE:Feb 71:44

Silva, Manuel A.G.
Deflection of Circular Plate with Built-in Edges, with Leon M. Keer, ST8:Aug 71:2073:8319
Vibration of Structures Having Changing Boundaries, with Leon M. Keer, EM3:June 71:1007:8220

Silver, Marshall L.
Deformation Characteristics of Sands Under Cyclic Loading, with H. Bolton Seed, SM8:Aug 71:1081:8334
Volume Changes in Sands During Cyclic Loading, with H. Bolton Seed, SM9:Sept 71:1171:8354

XUM

Silvester, Richard
Computation of Storm Surge, 12CEC:pp.1995-12010, 1971
Growth of Crenulate Shaped Bays to Equilibrium, WW2:May 70:275:7274
TR:136:737
Pattern Forming Forces in Deltas, with Catalino del Rosario de la Cruz, WW2:May 70:201:7260
TR:136:615
Reach of Waves to the Bed of the Constitutional Shelf, with Geoffrey R. Mogridge, 12CEC:pp.651-667, 1971
Dsc, HY4:Apr 70:1094:7189, of "Investigation of Brahmaputra River", HY5:Sept 69:1687:6793
Dsc, WW1:Feb 71:227:7868, of "Coastal Erosion in North Carolina", WW2:May 70:531:7306

Simmons, Daryl B.
See Hai Yain Chang, WW1:Feb 71:155:7869

Simmons, Henry B.
Uses of Models in Resolving Tidal Problems, HY1:Jan 69:125:6345
TR:136:898

Simon, Richard
See Robert V. Whitman, SM1:Jan 71:1:7809

Simonsen, Ole
See Jean-Guy Demers, CE:Aug 71:59

Simpson, C. Christopher
See Geoffrey D. Base, ST12:Dec 71:2920:8557

Sinclair, George R.
Dsc, ST10:Oct 70:2241:7570, of "How Safe Are Your Towers?", ST1:Jan 70:1:6994
See Harihar De, ST10:Oct 71:2610:8411

Singer, Fred S.
Putting Water Resources Research into Practice, CE:June 70:47
TR:136:448

Singer, Philip C.
See Thomas L. Theis, SA4:Aug 70:1004:7441
See Wayne F. Echelberger, Jr., NSCD:pp.563-583, 1971

Singer, Victor
Dsc, ST9:Sept 70:1982:7567, of "Estimating Cracking Behavior of Metallic Structures", ST4:Apr 70:773:7213

Singh, Awtar
Lateral Load Capacity of Piles in Sand and Normally Consolidated Clay, with Richard E-Wei Hu and Robert D. Cousineau, CE:Aug 71:52
Shear Strength and Stability of Man-Made Slopes, SM6:Nov 70:1879:7652
Errata: SM12:Dec 71:1710:8556
See Iyer S. Ramantha, SM5:Sept 69:1219:6786
See Kenneth L. Lee, TN: SM7:July 71:1049:8264

Singh, Krishan P.
Role of Baseflow in Rainfall-Runoff Relations, Preprint No.1291, Jan 71
Theoretical Baseflow Curves, HY6:Nov 69:2029:6905
Errata: HY9:Sept 70:1901:7497
TR:136:315
Dsc, HY4:Apr 70:1046:7189, of "Daily Streamflow Simulation", HY4:July 69:1163:6665
Dsc, HY7:July 70:1633:7384, of "Data Error Effects in Unit Hydrograph Derivation", HY6:Nov 69:1899:6887
Dsc, IR3:Sept 71:539:8346, of "Probability Distribution of Annual Droughts", IR4:Dec 70:461:7727

Singh, Prem Raj
See Satya P. Garg, HY5:May 71:653:8091

Singh, Sukhmander Singh
Dsc, SM4:July 70:1469:7385, of "Bonding, Effective Stresses and Strength of Soils", SM5:Sept 69:1219:6786

Singh, Vijay
See S. K. Mahajan, SU2:Nov 71:237:8519

Sinno, Raouf
Bonded Concrete Overlays, with Howard L. Furr, ST8:Aug 70:1627:7450
Dsc: K. V. Swaminathan and N. K. Jain, ST6:June 71:1808:8159
Hyperbolic Functions for Prestress Loss and Camber, with Howard L. Furr, ST4:Apr 70:803:7227
Dsc: Tamizisa V.S.R. Apparao, ST12:Dec 70:2674:7714
Clo: ST7:July 71:2017:8225
TR:136:876

Sinnott, Walter B.
Raw Water Transmission System for Springfield, Mass., with Sheldon S.W. Yuan, TE3:Aug 71:459:8312

Siriyong, Suvit
See Norbert L. Ackermann, HY7:July 71:937:8236

Sirkin, Alan N.
Hurricane Surge Computations by Computer, WW2:May 70:467:7299
TR:136:1159

Sitton, Paul L.
Evaluation of National Priorities: The Post Interstate Highway System, UTI:pp.3-18, 1971
Introduction to Section II: Innovative Transportation Prototypes, UTI:pp.79-112, 1971

Sjoberg, A.
See T. Carstens, 12CEC:pp.1917-1930, 1971

Skidmore, James R.
Analytical Plotter System, SU2:Sept 70:253:7559
TR:136:987

Skinner, John E.
Can Development and Ecology be Reconciled?, CE:Apr 71:67
Dsc: Development and Ecology, Edward A. Abdun-Nur, CE:Sept 71:67

Skinner, M. M.
See J. Paul Tullis, HY6:Nov 68:1475:6255

Skogerboe, Gaylord V.
Energy Loss Analysis for Open Channel Expansions, HY10:Oct 71:1719:8464
Research Topics for Small Irrigation Structures, with Wynn R. Walker, Brent B. Hacking and Lloyd H. Austin, IR3:Sept 70:309:7542
TR:136:1073
Dsc, with Lloyd H. Austin and Ray S. Bennett, HY2:Feb 71:362:7863, of "Open Channel Expansions Fitted with Local Hump", HY5:May 70:1105:7257
Dsc, with Wynn R. Walker, HY4:Apr 71:609:8012, of "Flow Analysis of Large Triangular Weir", HY7:July 70:1435:7405
See Gordon H. Flammer, IR1:Mar 70:1:7124
See Lloyd H. Austin, IR3:Sept 71:433:8366

Skouby, Marion C.
See Charles I. Mansur, SM2:Mar 70:511:7166

Skougaard, Christian
See Ivar G. Jonsson, 12CEC:pp.489-507, 1971

Slack, Donald C.
Deflections of Shallow Pier Foundations, with John N. Walker, SM4:July 70:1143:7391
TR:136:965

Slayton, William L.
Environment by Design, CE:Oct 71:85

XUM

Sleath, John F. A.
Wave-Induced Pressures in Beds of Sand, HY2:Feb 70:367:7057
TR:136:466

Small, Robert J.
See Glen A. Chauvin, PO3:June 70:400:7355
See Richard N. Bergstrom, PO2:Mar 71:367:7977

Smalley, I. J.
See J. G. Cabrera, SM5:May 71:802:8083

Smit, M.
See R. H. Pitlo, IR3:Sept 70:364:7498

Smith, Alan A.
Computational Procedures For Flow Resistance Laws, HY3:Mar 70:665:7142
TR:136:673

Smith, Brice R., Jr.
Dsc, CE:June 70:45, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Smith, Bryan Stafford
Hypothesis for Shear Failure of Brickwork, with Clifford Carter, ST4:Apr 71:1055:8029
Dsc: Ganpat S. Pandit, ST12:Dec 71:2922:8557

Smith, Calvin O.
What Have Transit Demonstrations Really Shown?, TE2:May 71:325:8097

Smith, Clifford D.
Triangular Broad-Crested Weir, with Wen S. Liang, IR4:Dec 69:493:6954
Dsc: T. R. Chandrasekhara, IR3:Sept 70:364:7498; R. H. Pitlo and M. Smit, IR3:Sept 70:364:7498; Bahaddur S. Rajeevalochanam, IR3:Sept 70:369:7498; M. V. Jagannadha Rao and Nagar S. Lakshmana Rao, IR3:Sept 70:371:7498; Gershon Kulin, IR4:Dec 70:494:7712
Clo: IR4:Dec 71:637:8553
TR:136:668
Dsc, HY9:Sept 70:1916:7497, of "Designing Spillway Crests for High-Head Operation", HY3:Mar 70:745:7153

Smith, Daniel W.
Computer Design of CMAS Systems, SA4:Aug 70:977:7474
TR:136:1013

Smith, David
Water Current Meter for Mean Flow Measurements, 12 CEC:pp.1903-1915, 1971

Smith, Dungan J.
See Ronald E. Nece, WW2:May 70:335:7280

Smith, E. C.
Plastic Liners for Candu Containment Structures, Preprint No.1307, Jan 71
Plastic Liners for CANDU Containment Structures, ST10:Oct 71:2583:8435

Smith, Frederick A., Jr.
Torsion Analysis of Heavy Box Beams in Structures, with Francis M. Thomas and James O. Smith, ST3:Mar 70:613:7165
TR:136:842

Smith, Gerald S.
See Stanley A. Knudson, EM6:Dec 70:1039:7775

Smith, Ian M.
Stress Analysis of Contractive or Dilative Soil, with Stephen Kay, SM7:July 71:981:8263
Dsc, EM4:Aug 71:1302:8266, of " Finite Element Bending Analysis of Reissner Plates", EM6:Dec 70:967:7760

Smith, J. M.
See J. G. Terrill, SA3:June 69:545:6620

Smith, Jack E.
See James M. Corum, ST2:Feb 69:229:6419

Smith, James O.
See Frederick A. Smith, Jr., ST3:Mar 70:613:7165

Smith, John W.
Design of Browns Ferry Chimney, with Asgeir Jonsson, PO3:June 70:437:7359
TR:136:1127

Smith, Kenneth N.
Dsc, ST11:Nov 71:2767:8485, of "Fatigue Strength of Hybrid Plate Girders", ST4:Apr 71:1203:8069

Smith, Kenneth V.H.
Similarity in Unlined Irrigation Canal Systems, HY1:Jan 70:13:6993
Dsc: Thomas Blench, HY10:Oct 70:2126:7568
Clo: HY5:May 71:728:8081
TR:136:366
See Mahmoud Faisal Rifai, HY7:July 71:963:8246

Smith, Peter
Quick Quality Testing of Concrete, CE:Aug 70:52
TR:136:621

Smith, Peter G.
Automatic Design of Shell Structures, with Edward L. Wilson, ST1:Jan 71:191:7825
Dsc: J. Laginha Serafim, ST11:Nov 71:2761:8485

Smith, Raymond J.
See Melvin C. Hironaka, SM6:Nov 69:1431:6921

Smith, Reginald G.
See Donald H. Orme, ST1:Jan 71:393:7840

Smith, Richard A.
Management Structure for Irrigation, IR4:Dec 70:475:7722
Dsc: Robert L. McFall, IR3:Sept 71:538:8346

Smith, Robert
See Joseph F. Roesler, SA3:June 71:269:8182

Smith, Robert E.
See Lymon C. Reese, SM1:Jan 70:235:7032

Smith, Roger E.
Dsc, with Leonard J. Lane, HY5:May 71:749:8081, of "Calibration of Walnut Gulch Supercritical Flumes", HY8:Aug 70:1681:7479
Dsc, IR3:Sept 71:544:8346, of "A Proposed Watershed Retention Function", IR1:Mar 71:193:7979

Smith, Ronald E.
Consolidation Under Constant Rates of Strain, with Haryl L. Wahls, SM2:Mar 69:519:6452
Dsc: Peter M. Byrne, SM1:Jan 70:6989; R. T. Murray, SM1:Jan 70:6989
Clo: SM1:Jan 71:238:7785
TR:136:45
Guide for Depth of Foundation Exploration, SM2:Mar 70:377:7120
Dsc: Jean-Pierre Giroud, SM6:Nov 70:2140:7643
TR:136:778

Smith, Travis
Potrero Hill Slide and Correction, with Raymond Forsyth, SM3:Mar 71:541:8004

Smith, Winchell
See Thomas S. Chandler, HY9:Sept 71:1461:8390

Smolenski, Chester P.
Optimal Multifactor Design Procedure for Sandwich Panels, with Edward M. Krokosky, ST4:Apr 70:823:7243
Dsc: Jan L. van der Molen, ST2:Feb 71:727:7867
TR:136:1249

XU

Smutek, R.
Dsc, HY4:Apr 71:614:8012, of "Distribution of Tractive Force in Open Channels", HY7:July 70: 1469:7415

Snell, Jack E.
Research Needs in Air Transportation by the Committee on Research of the Aero Space Division, TE1:Feb 70:45:7091
Dsc: William R. DeKeyser, TE4:Oct 70:656:7642
TR:136:1214

Snoderly, Murphy Ulysses
Memoir of, TR:136:1369

Snyder, Franklin F.
Dsc, HY7:July 70:1626:7384, of "Urban Runoff by Road Research Laboratory Method", HY6:Nov 69: 1809:6878

Snyder, Willard M.
A Proposed Watershed Retention Function, IR1:Mar 71:193:7979
Dsc: Roger E. Smith, IR3:Sept 71:544:8346
See William C. Mills, IR1:Mar 71:51:7955

Soberman, Richard M.
Evaluation of New Technology for Intercity Travel, with George A. Clark and Tom E. Parkinson, Preprint No.1446, July 71

Sokal, Yehuda
See Ephraim Spira, ST8:Aug 70:1799:7442

Sollitt, Charles K.
See Eugene P. Richey, WW3:Aug 70:643:7468

Sollo, Frank W., Jr.
Status of Methods for Halogen Determination (Br-Cl), with Florence F. McGurk and Thurston E. Larson, NSCD:pp.245-267, 1971

Somasundaram, M. V.
See Ramaswamy Sakthivadivel, HY3:Mar 70:855: 7113
See Ramaswamy Sakthivadivel, HY7:July 70:1621: 7384

Somes, Norman F.
Compression-Tests on Hoop-Reinforced Concrete, ST7:July 70:1495:7417
Dsc: K.T. Sundara Raja Iyengar, Prakash Desayi and K. Nagi Reddy, ST3:Mar 71:1003:7944; Satyendra K. Ghosh, ST3:Mar 71:1005:7944
Clo: ST11:Nov 71:2756:8485

Sommerfeld, William F.
See Niles O. Sutphin, UP1:Apr 71:63:8055

Sommet, Jean
The Added Mass of a Ship in Longitudinal Oscillation, BMS:pp.174-191, 1971
Dsc: Basil W. Wilson, BMS:p.207, 1971; Robert C. H. Russell, BMS:p.207, 1971
Elastic Characteristics of Moorings, BMS:pp.93-116, 1971
Dsc: Jean Sommet, BMS:p.143, 1971
Dsc, BMS:p.143, 1971, of "Elastic Characteristics of Moorings", BMS:pp.93-116, 1971

Sonnichsen, John C.
Examination of the Thermocline, with Clarence A. Oster, SA2:Apr 70:353:7219
Dsc: Yu Leuk Choi, SA6:Dec 70:1455:7713; Earl E. Eiker and John Eric Edinger, SA1:Feb 71: 116:7865
Clo: SA5:Oct 71:257:8409
Lateral Spreading of Heated Discharge, PO3:July 71: 623:8245

Sonu, Choule J.
Stochastic Analysis of Beach Profile Data, with Myron H. Young, 12CEC:pp.1341-1363, 1971

Soper, Ellis Clarke
Memoir of, TR:136:1371

Sorensen, Eknneth E.
Reinforcing Steel for Penstock Wye Branch, PO2:Oct 69:217:6830
TR:136:163

Sorensen, Kenneth E.
Fourth Dimension for Urban Environment, UP1:Apr 71:91:8064

Sorensen, Robert M.
Two-Dimensional Wind Set-Up of Oil on Water, with Edmund B. Spencer, WW3:Aug 71:517:8326
Waves Generated By Model Ship Hull, WW4:Nov 69:513:6910
TR:136:733
See E. Clark McNair, 12CEC:pp.415-434, 1971
See Donald R. Wells, 12CEC:pp.1263-1280, 1971

Sorensen, Torben
See M. Dyhr-Nielsen, 12CEC:pp.855-865, 1971

Soucek, Edward
Dsc, HY6:June 70:1380:7310, of "Linear Proportional Weirs", HY2:Feb 70:379:7062

Soulie, Michel
See Stephen J. Windisch, SM4:July 70:1113:7389

Sowell, Florentine
See Arthur Saltzman, Preprint No.1498, July 71

Sowers, George F.
Changed Soil and Rock Conditions in Construction, CO2:Nov 71:257:8509
Landslides in Weathered Volcanics in Puerto Rico, 4PCSM:pp.105-115, 1971
Dsc, SM5:May 71:794:8083, of "Review of Shearing Strength of Rockfill", SM4:July 70:1159:7394
See Harold T. Whitney, 4PCSM:pp.139-152, 1971

Soydemir, Cetin
Deformation and Stability of Viscoelastic Soil Media, with Werner E. Schmid, SM6:Nov 70:2081:7708
Dsc: Harry G. Poulos and L. P. de Ambrosis, SM7:July 71:1040:8224

Span, H. J. Th.
See K. d'Angremond, 12CEC:pp.1601-1627, 1971

Spangler, Merlin G.
Structural Design of Pipeline Casing Pipes, PL1:Oct 68:137:6194
TR:136:1175

Spanovich, Milan
Dsc, with Richard Fewell, SM5:Sept 70:1808:7499, of "Building Damage From Expansive Steel Slag Backfill", SM6:Nov 69:1325:6879
Dsc, with Richard Fewell, PISST:pp.247-249, 1971, of "Building Damage From Extensive Steel Slag Backfill", PISST:pp.235-244, 1971

Spates, Kenneth R.
See Conrad P. Heins, Jr., ST7:July 70:1511:7420

Speece, Richard E.
Design of U-Tube Aeration Systems, with Rudolph Orosco, SA3:June 70:715:7348
Errata: SA2:Apr 71:233:8013
TR:136:951
Downflow Bubble Contact Aeration, with Marcos Madrid and Kenneth Needham, SA4:Aug 71:433: 8278

Spencer, Edmund B.
See Robert M. Sorensen, WW3:Aug 71:517:8326

Spencer, Graham K.
See Peter J. Moore, SM3:May 69:769:6547

XUM

Spencer, Ralph E.
Black People Call for ASCE Social Action, CE:Dec 69:73
Dsc: T. H. Evans, CE:Mar 70:42; Frank T. White, CE:Mar 70:42; Harold M. Maxwell, CE:Mar 70:42; Robert Kiehl, CE:Mar 70:53; Edward P. Lewis, CE:Mar 70:42; William E. Dunn, CE:Apr 70:49; ASCE's Response to the Spencer Proposals, CE:Aug 70:46; ASCE and Social Problems, Delon Hampton, CE:Jan 71:45; ASCE and Social Problems, Frederick E. Jordan, CE:Jan 71:45

Spiegel, Milton
Phosphate Removal: Summary of Papers, with Tom H. Forrest, SA5:Oct 69:803:6807
Dsc: Carl Beer, SA2:Apr 70:647:7190; Thomas L. Theis, Philip C. Singer, Wayne F. Echelberger, Jr. and Mark W. Yenney, SA4:Aug 70:1004:7441
Clo: SA2:Apr 71:228:8013
TR:136:89

Spiegler, D. B.
See Eugene J. Aubert, Preprint No.1303, Jan 71

Spielberg, Franklin
See Davit Fresko, Preprint No.1490, July 71

Spiller, Larry N.
Engineer Firms Face Unionization, CE:Apr 71:49
Dsc: Engineers and Unionization, Richard Schindler, CE:Aug 71:38

Spillers, W. R.
Iterative Design Techniques, with S. Albanna, Preprint No.1373, Apr 71

Spinner, Bernard H.
Eads Bridge Repaired by Jacking, CE:June 71:50

Spira, Ephraim
Dsc, with Yehuda Sokal, ST8:Aug 70:1799:7442, of "New Rectangular Finite Element for Shear Wall Analysis", ST3:Mar 69:399:6464

Spiro, R. P.
Dsc, CE:Dec 70:54, on Ecological Values and Regional Planning, CE:Aug 70:40

Spomer, Ralph G.
See Keith E. Saxton, HY11:Nov 71:1835:8523

Spooner, James E.
Dsc, CO2:Nov 71:345:8482, of "Bidding With Competitive Strategy Models", CO1:Mar 71:113:8008

Spranza, Joseph J.
Seasonal Deformation of 2-Mile Straight Line, with Amos M. Nur, SM12:Dec 71:1623:8586

Springfield, John
Dsc, ST8:Aug 70:1824:7442, of "Inelastic Analysis of Multistory Multibay Frames", ST11:Nov 69:2477:6922
Dsc, with Peter F. Adams, ST11:Nov 70:2528:7644, of "Plastic Design of Multistory Frames by Computer", ST1:Jan 70:17:6995

Sproul, Otis J.
Salt and Virus Inactivation by Chlorine and High pH, with Robert T. Thorup, David F. Wentworth and James S. Atwell, NSCD:pp.385-396, 1971
See Dirk R. Brunner, SA2:Apr 70:365:7220

Spunt, Leonard
Optimization of Redundant Prestressed Structures, ST12:Dec 70:2589:7755
Dsc: Manhar C. Thakkar and Jawalker K. Sridhar Rao, ST7:July 71:2028:8225; S. Venkateswara Rao and P. Dayaratnam, ST9:Sept 71:2431:8348

Squaree, David
Dsc, HY10:Oct 71:1775:8407, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Squarer, David
Friction Factors and Bed Forms in Fluvial Channels, HY4:Apr 70:995:7245
Errata: HY4:Apr 71:586:8012
TR:136:726

Squier, L. Radley
Load Transfer in Earth and Rockfill Dams, SM1:Jan 70:213:7004
TR:136:414
Mat Foundation Spans Rubble Channels, CE:Aug 70:61
TR:136:625

Squire, William
Dsc, EM5:Oct 71:1589:8406, of "Directional Analysis in Model Design", EM2:Apr 71:519:8053

Sreenivasulu, P.
Linear Proportional Weirs, with R. Raghavendran, HY2:Feb 70:379:7062
Dsc: Edward Soucek, HY6:June 70:1380:7310; Frederic T. Mavis, HY8:Aug 70:1773:7439; Nagar S. Lakshmana Rao and D. V. Chandrasekhara, HY10:Oct 70:2150:7568; K. Keshava Murthy and N. Seshagiri, HY12:Dec 70:2628:7711
Clo: HY10:Oct 71:1749:8407
TR:136:892

Sridharan, Asuri
Pore Size Distribution Studies, with Adolph G. Altschaeffl and Sidney Diamond, SM5:May 71:771:8151
Dsc, with Guda Venkatappa Rao, SM6:June 71:940:8158, of "Mechanisms Controlling Compressibility of Clays", SM6:Nov 70:1863:7649

Sridharan, Kalambur
See Nagar S. Lakshmana Rao, HY4:Apr 70:1093:7189
See Nagar S. Lakshmana Rao, HY1:Jan 71:55:7796

Sridhar Rao, Jawalker K.
Dsc, with V. K. Kapur and C. V. S. Kameswara Rao, EM6:Dec 71:1750:8551, of "Optimal Multifunctional Material Systems", EM2:Apr 71:559:8077
See P. Paramasivam, ST6:June 69:1313:6635
See C. V.S. Kameswara Rao, ST12:Dec 69:2990:6932
See C. V.S. Kameswara Rao, EM2:Apr 70:169:7188
See N. Gopalakrishnan, ST4:Apr 70:853:7191
See Manhar C. Thakkar, ST8:Aug 70:1837:7442
See Manhar C. Thakkar, ST7:July 71:2028:8225

Srinivasan, C. N.
Dsc, ST10:Oct 70:2246:7570, of "Current European Views on Structural Safety", ST3:Mar 70:461:7132

Srinivasan, P.
Vibration Of Pipe Carrying Flowing Fluid, with V. Lakshminarayanan, TE2:May 70:165:7265
TR:136:460

Srinivasan, Ramachandran
See Peter C. Birkemoe, ST3:Mar 71:935:7997

Srinivasan, Ramanathan J.
See Annapareddy Siva Reddy, SM6:Nov 70:1967:7677

Srinivasan, Vajapeyam S.
See Harry M. Hill, HY5:Sept 69:1545:6770

Srinivasan, Venkatraman
Dsc, with James V. Parcher, SM10:Oct 71:1504: 8410, of "Aging Effects on Swell Potential of Compacted Clays", SM3:Mar 71:529:7951

Srivastava, Narendra K.
Elastic Plastic Bending of Circular Plates, with Archibald N. Sherbourne, EM1:Feb 71:13:7902

Stachiw, Jerry D.
Concrete Deep Submergence Hollow Shell Structures, ST12:Dec 69:2931:6982
TR:136:496
See Harvey H. Haynes, ST4:Apr 71:1283:8078

Stafford, Donald B.
See Leonard J. Langfelder, WW2:May 70:531:7306

Stafford, Joseph H.
See Richard de Neufville, UTI:pp.281-305, 1971
See Richard de Neufville, SA6:Dec 71:825:8575

Stafford, Larry D.
See Paul H. Stafford, TE2:May 69:237:6533

Stafford, Paul H.
Space Criteria for Aircraft Aprons, with Larry D. Stafford, TE2:May 69:237:6533
TR:136:1085

Stahl, James F.
Education and Training Viewed by a Younger Member, CWFE:Mar 71:261

Stall, John B.
The Structure of Thunderstorm Rainfall, with Floyd A. Huff, Preprint No.1330, Jan 71
See Michael L. Terstriep, HY6:Nov 69:1809:6878

Stallmeyer, J. E.
Cumulative Damage Theories and Application, with William Hamilton Walker, ST12:Dec 68:2739:6290
Dsc: D. J. Ashby and F. Sherratt, ST10:Oct 69: 2322:6803
Clo: ST11:Nov 70:2523:7644
TR:136:6

Stamatopoulos, Aris C.
Dsc, with Panaghiotis C. Kotzias, SM1:Jan 71:262: 7785, of "Review of Collapsing Soils", SM3:May 70:925:7278
See Panaghiotis C. Kotzias, SM6:Nov 69:1335:6902
See Panaghiotis C. Kotzias, PISST:pp.321-341, 1971

Stanger, Richard M.
Dsc, CE:Dec 71:71, on Superstructure for 1,350-ft.-High World Trade Center, CE:June 71:66

Stastny, F. J.
Joint Utilization of Rights-of-Way, Preprint No.1534, Oct 71

Stavropoulos, John G.
Dsc, HY11:Nov 70:2392:7641, of "Head Losses in Wyes and Manifolds", HY3:Mar 70:593:7130
Dsc, HY9:Sept 71:1561:8345, of "Power Losses and Flow Topologies in Manifold", HY1:Jan 71:81:7791

Stearns, Robert P.
Dsc, SA6:Dec 70:1469:7713, of "Optimal Routing of Refuse Collection Vehicles", SA4:Aug 70:893:7451

Steenmeyer, Albert
Off-shore Mooring Systems at Exposed Locations, BMS:pp.241-253, 1971
Off-shore Mooring Systems at Protected or Semi-protected Locations, BMS:pp.224-240, 1971
Dsc, BMS:pp.220-223, 1971, of "Model Investigation of Berthing Impacts", BMS:pp.209-214, 1971

Steeve, Edward J.
See David W. Gilman, PO1:Jan 71:151:7827

Stefan, Heinz
Heated Discharge from Flume into Tank, with Frank R. Schiebe, SA6:Dec 70:1415:7762
Dsc: Barry A. Benedict, SA4:Aug 71:537:8269
Modeling Spread of Heated Water over Lake, PO3: June 70:469:7375
TR:136:1115
Seepage Study Using Electrical Analog, with Johannes Meyer, HY2:Feb 70:411:7064
Dsc: Robert L. McFall, HY10:Oct 70:2158:7568
Clo: HY5:May 71:735:8081
TR:136:458
Stratification of Flow from Channel into Deep Lake, HY7:July 70:1417:7401
Dsc: David L. Wilkinson, HY4:Apr 71:602:8012
Clo: HY11:Nov 71:1897:8483

Steiert, Clarence J.
See Edward A. Cecil, Preprint No.1540, Oct 71

Stein, Jack R.
See Robert L. Schiffman, ST1:Jan 71:253:7832

Steinberg, Malcolm L.
Interceptor Drains in Heavy Clay Soils, TE1:Feb 70: 1:7066
Dsc: Richard F. Broberg, TE4:Nov 70:654:7642
Clo: TE3:Aug 71:577:8268
TR:136:683

Steinberg, Meyer
See Lawrence E. Kukacka, ST9:Sept 71:2217:8363

Steinborn, Sydney
Aesthetic Factors in Planning and Design of Libby Dam, PO1:Jan 70:39:6999
TR:136:330

Steinhaus, Max
Dsc, ST9:Sept 70:1978:7567, of "Residual Stresses in Curved Laminated Wood Beams", ST12:Dec 69: 2873:6977

Stenburg, R. L.
See F. M. Middleton, CWFE:Mar 71:189

Stepanich, Fred C.
Sector Gates in Bangkok Klong System, WW4:Nov 71:721:8549

Stephens, John C.
Peat and Muck Drainage Problems, IR2:June 69:285: 6603
Errata: IR2:June 70:224:7311
TR:136:1098

Stephens, Malcolm N.
Dsc, PO1:Jan 71:253:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034

Stephenson, David
Optimum Design of Complex Water Resource Projects, HY6:June 70:1229:7320
Dsc: Marshall E. Moss, HY1:Jan 71:208:7783; Nicholas Paine, HY3:Mar 71:462:7940
Clo: HY10:Oct 71:1756:8407
TR:136:1251

Stephenson, J. Ben
See R. Fred Gray, PO2:Oct 69:293:6853

Stern, E. George
Timber-Arch Falsework for Concrete Arch Bridges, CE:Feb 70:44
TR:136:184
Dsc, ST9:Sept 70:1980:7567, of "Stability Problems of Wood Truss Bridge", ST2:Feb 70:353:7095

Sterner, James N.
See Roy E. Olsen, TN: SM1:Jan 71:283:7787

XUM

Steuerman, Sergey
Dsc, with William A. Flynn, SM6:Nov 70:2133:7643, of "Hydraulic Fills to Support Structural Loads", SM1:Jan 70:23:7009
Dsc, with William A. Flynn, PISST:pp.196-198, 1971, of "Hydraulic Fills to Support Structural Loads", PISST:pp.169-193, 1971
Dsc, SM6:June 71:950:8158, of "Effect of Strain History on Liquefaction of Sand", SM6:Nov 70: 1917:7670

Stevens, Leonard K.
See Geoffrey G. Roy, ST8:Aug 70:1832:7442
See Geoffrey D. Base, ST12:Dec 71:2920:8557

Stevenson, John D.
Reliability Analysis of Frame Structures, with Fred Moses, ST11:Nov 70:2409:7692
Errata: ST12:Dec 71:2891:8557
See P. Blair Haga, PO1:Jan 70:145:7037
See Fred Moses, ST2:Feb 70:221:7072

Stewart, Robert E.
Diffusion of Sewage Effluent from Ocean Outfall, with Hugh D. Putnam, Richard H. Jones and Thomas N. Lee, SA4:Aug 71:485:8340

Stickney, John E.
Dsc, CE:May 71:78, on The Civil Engineer as a Sales Engineer, CE:Feb 71:78

Stiles, Newell T.
Isopachous Mapping of the Lower Patuxent Estuary Sediments by Continuous Seismic Profiling Techniques, with Donald R. Wiesnet, 12CEC: pp.669-686, 1971

Stipp, John R.
Plotting Positions for Hydrologic Frequencies, with George K. Young, Jr., TN: HY1:Jan 71:219:7824

Stockbridge, J. G.
Strain in Brick Wall of Five-Story Building, ST12: Dec 69:2955:6979
TR:136:793

Stockton, Edward L.
Clean Air Management in Allegheny County, Pa., SA5:Oct 70:1211:7609
TR:136:1121

Stolk, Edgar Pardo
See Christian K. De Fries, 4PCSM:pp.153-166, 1971

Stoll, Ulrich W.
Mechanical Properties of Milled Domestic Trash, Preprint No.1319, Jan 71
Dsc, SM10:Oct 71:1508:8410, of "Floating Foundations for Control of Settlement", SM6:June 71:899:8215

Stoller, Floyd
See Verl Lobb, ST3:Mar 71:905:7996

Stoltenberg, David H.
Dsc, SA2:Apr 71:245:8013, of " Instream Aerators for Polluted Rivers", SA5:Oct 70:1153:7631
Dsc, SA3:June 71:391:8157, of "Forecasting Water Demands and Systems Capabilities", SA6:Dec 70: 1349:7745

Stone, Ralph
Automatic Water and Waste Treatment Plants in Operation, with E. T. Conrad, CE:May 70:37
TR:136:387
Proposed Environmental Quality Policy for ASCE, CWFE:Mar 71:373
Sewage Treatment System Odors and Air Pollutants, SA4:Aug 70:905:7456
Errata: SA3:June 71:383:8157
TR:136:1004
Water Quality: Cost Benefits of Irreducibles, with William F. Garber and Helen Friedland, SA3:June 70:691:7336
TR:136:930

Stotland, Howard D.
See Joseph M. Sussman, ST1:Jan 71:425:7844

Stout, Koehler
Dsc, SM1:Jan 71:261:7785, of "State of Predictive Art in Subsidence Engineering", SM2:Mar 70:721: 7187

Stover, Vergil G.
See Donald L. Woods, TE4:Nov 69:659:6896

Strassburger, Arthur G.
See David Pirtz, PO1:Jan 70:23:6997

Stratton, Frank E.
Dsc, with Perry L. McCarty, SA5:Oct 69:952:6802, of "Evaluation of Nitrification in Streams", SA5: Oct 68:883:6159
See R. O. Sylvester, CE:Apr 71:41

Strazer, Robert J.
See William L. Shannon, CE:Mar 70:62

Street, Robert L.
See Konstantin Zagustin, WW4:Nov 68:397:6210
See Robert K. C. Chan, 12CEC:pp.345-361, 1971
See Theodor R. Mogel, 12CEC:pp.899-917, 1971

Streeter, Victor L.
Transients in Pipelines Carrying Liquids or Gases, TE2:Feb 71:15:7884
Water Hammer Analysis, HY6:Nov 69:1959:6899
Dsc: Kuan M. Yao, HY8:Aug 70:1748:7439
Clo: HY2:Feb 71:347:7863
TR:136:281

Strekalov, S. S.
See Yu M. Krylov, TN: WW4:Nov 71:793:8491

Strelkoff, Theodor
Numerical Solution of Saint-Venant Equations, HY1: Jan 70:223:7043
Dsc: Robert P. Shubinski, HY6:June 70:1374: 7310
Clo: HY4:Apr 71:582:8012
TR:136:450
One-Dimensional Equation of Open-Channel Flow, HY3:May 69:861:6557
Dsc: James A. Liggett, HY1:Jan 70:292:6988
Clo: HY1:Jan 71:165:7783
TR:136:57
Pattern Of Potential Flow in a Free Overfall, with Mohammad S. Moayeri, HY4:Apr 70:879:7207
Dsc: M. H. Abdul Khader and H. Suresh Rao, HY1:Nov 70:2397:7641
TR:136:993
See George Terzidis, HY12:Dec 70:2581:7780

Stricker, Robert
See David H. Marks, UP2:Dec 71:165:8573

Stricklin, James A.
Geometrically Nonlinear Analysis by Stiffness Method, with Walter E. Haisler and Walter A. Von Riesemann, ST9:Sept 71:2299:8392

Stringer, Richard
Amoebic Cysticidal Properties of Halogens in Water, with Cornelius W. Kruse, NSCD:pp.319-338, 1971
Amoebic Cysticidal Properties of Halogens in Water, with Cornelius W. Kruse, SA6:Dec 71:801:8567
See Cornelius W. Kruse, NSCD:pp.113-136, 1971

Strobel, Gerald A.
Coliform-Fecal Coliform Bacteria in Tidal Waters, SA4:Aug 68:641:6068
TR:136:629

Stuart, John Gordon
See James Graham, SM11:Nov 71:1533:8510

Stubbs, Ian R.
See V. R. Mc Lamore, ST10:Oct 71:2567:8454

Stuckrath, Timm
Measurement of Density Currents in an Idealized Model, 12CEC:pp.1979-1993, 1971

Stufft, Wayne A.
Effects of Sediment on Water Resource Planning, Preprint No.1545, Oct 71

Stumbo, C. R.
Mathematical Evaluation of Gaseous and Dry Heat Treatments, NSCD:pp.469-480, 1971

Stump, Vernon L.
Investigation of a Wood Curing Waste, with Franklin J. Agardy, SA6:Dec 69:1051:6953 TR:136:284

Sturman, Gerald M.
The Engineer, His Client and Impact Analysis, Preprint No.1474, July 71

Stutz, Pierre
See Jean-Pierre Giroud, SM6:Nov 70:2148:7643

Su, Shaw Y.
See Rolf A. Deininger, Preprint No.1536, Oct 71

Su, Shih-Tun
Dsc, HY3:Mar 71:464:7940, of "Real Time Routing of Flood Hydrographs in Storm Sewers", HY6:June 70:1247:7327

Suarez, Manuel A.
Impactive Dynamic Analysis, Preprint No.1406, Apr 71

Subedi, Nutan Kumar
See Alexander Coull, ST8:Aug 71:2097:8301

Subrahmanyam, Bandhuvula V.
Dsc, ST3:Mar 71:1007:7944, of "Rational Design of Light Gage Beams", ST7:July 70:1535:7421

Subrahmanyam, Madurachari S.
See Kolinjuvadi S. Sankaran, SM8:Aug 71:1131:8270
See Kolinjuvadi S. Sankaran, SM9:Sept 71:1345:8347

Subrahmanyam, P. V.R.
Dsc, with G. J. Mohanrao, SA6:Dec 70:1463:7713, of "Recent Paper Industry Waste Treatment Systems", SA2:Apr 70:467:7234

Subramanya, Jabajattu
Dsc, with Subash Chandra Awasthy, HY12:Dec 70:2635:7711, of "Internal Hydraulics of Thermal Discharge Diffusers", HY2:Feb 70:509:7085

Subramanya, Kanakatti
See Singamsetti Surya Rao, HY8:Aug 70:1759:7439

Suko, Masaaki
Dynamic Analysis of Multibay Multistory Frames, with Peter Adams, ST10:Oct 71:2519:8443

Sukumaran, K.
See V. Setty Pendakur, TE4:Nov 71:717:8486

Sulaiman, Ibrahim H.
Dsc, with Teddy J. Hirsch and Harry M. Coyle, SM1:Jan 70:353:6989, of "Dynamic Prediction of Pile Static Bearing Capacity", SM2:Mar 69:583:6468

Sullivan, Raymond K., Jr.
Sizing of Pumped Storage Conduits, PO3:July 71:667:8252

Sultan, Hassan A.
Dsc, SM1:Jan 71:267:7785, of "Review of Collapsing Soils", SM3:May 70:925:7278
Dsc, SM1:Jan 71:272:7785, of "Liquid Limit Values by Soil Moisture Tension", SM3:May 70:967:7298

Sumitomo, Hisashi
See Takeshi Goda, CE:Nov 71:42

Summers, A. Darrell
See James W. Kirby, Preprint No.1315, Jan 71
See James W. Kirby, IR4:Dec 71:571:8570

Sunada, Daniel K.
See Nazeer Ahmed, HY6:Nov 69:1847:6883
See Nikolas F. White, IR2:June 70:165:7376
See Robert Bibby, IR3:Sept 71:387:8350
See Willem F. Brutsaert, IR3:Sept 71:405:8376

Sundara, Raja
See Kashi T. Sundara Raja Iyengar, ST3:Mar 71:807:7961

Sundermann, Jurgen
See Hans Vollmers, 12CEC:pp.2133-2145, 1971

Suresh, C.
See R. P. Ranganadha Rao, HY8:Aug 70:1732:7439

Suresh Rao, H.
See M. H. Abdul Khader, HY1:Nov 70:2397:7641
See M. H. Abdul Khader, EM5:Oct 71:1567:8406

Suryaprakasa, P.
Dsc, with C. P. Mohamed, WW1:Feb 71:212:7868, of "Relative Validities of Water Wave Theories", WW1:Feb 70:105:7092

Suryaprakasa Rao, P.
Field Study of Surathkal Beach, with P. Kassim, 12CEC:pp.1365-1381, 1971

Surya Rao, Singamsetti
Characteristics of Flow Weirs of Finite Crest Width, with Manoj Kumar Shukla, HY11:Nov 71:1807:8515

Sussman, Joseph M.
Specs-A Specification Production Computer System, with Robert D. Logcher and Howard D. Stotland, ST1:Jan 71:425:7844

Sussna, Stephen
Mobile Home Parks and American Municipalities, UP2:Dec 71:139:8562

Sutherland, Alex J.
Drag Coefficients in Nonsteady Turbulent Flow, with David J. Painter, HY7:July 71:1031:8233

Sutphin, Niles O.
Computer Systems for Urban Design and Development, with William F. Sommerfeld, Lavette C. Teague, Jr. and G. Neil Harper, UP1:Apr 71:63:8055

Sutterfield, G.
See F. E. Wisely, CE:Jan 71:56

Sutton, David L.
See Robert D. Blackburn, IR3:Sept 71:421:8362

Swain, Abhimanyu
Dsc, IR2:June 70:226:7311, of "Sedimentation of Reservoirs", IR3:Sept 69:415:6789
Dsc, HY7:July 70:1649:7384, of "Graphical Solution to Hydraulic Jump", HY1:Jan 70:103:7014
Dsc, HY10:Oct 70:2159:7568, of "Work-Energy Equation for the Streamline", HY5:May 70:1179:7300

Swain, Donald G.
See Gary H. Austin, HY6:Nov 69:1793:6877

XUM

Swaminathan, K. V.
Dsc, with N. Raghavendra, ST3:Mar 71:972:7944, of "Concrete Beams in Bending, Torsion and Shear", ST5:May 70:885:7270
Dsc, with N. Raghavendra, ST3:Mar 71:979:7944, of "Arch Action and Bond in Concrete Shear Failures", ST6:June 70:1069:7338
Dsc, with N. K. Jain, ST6:June 71:1808:8159, of "Bonded Concrete Overlays", ST8:Aug 70:1627:7450
Dsc, with C. R. Venkatesha, ST6:June 71:1818:8159, of "Complete Adjustment Method for Analyzing Arch Dams", ST8:Aug 70:1711:7492
Dsc, with C. R. Venkatesha, ST7:July 71:2023:8225, of "Earthquake Design of Cooling Towers", ST9:Sept 70:1889:7524

Swamy, Ramnath N.
Arch Action and Bond in Concrete Shear Failures, with Alexios Andriopoulos and Dotun Adepegba, ST6:June 70:1069:7338
Dsc: K. V. Swaminathan and N. Raghavendra, ST3:Mar 71:979:7944; Surendra K. Ojha, ST3:Mar 71:983:7944; Chinta S. Reddy and B. Rajaram, ST3:Mar 71:986:7944; Madhujit Mukhopadhyay, ST4:Apr 71:1364:8015

Swanson, Charles L.
New Wastewater Treatment Processes: EPA Encourages Adoption, CE:Sept 71:49

Swanson, Vernon E.
Reconnaissance for Dam Sites in Remote Areas, SU1:Apr 70:97:7244
TR:136:1119

Swartz, S. E.
Experiments with Folded Plate Models, with V. H. Rosebraugh, Preprint No.1354, Apr 71

Sweet, Arnold L.
Upper Bound for Two-Sided Barrier Problem, EM6:Dec 69:1369:6962
TR:136:433
See Jay C. Hardin, EM2:Apr 71:375:8056

Sweeten, John M.
See Robert M. Clark, Preprint No.1548, Oct 71

Swet, Charles J.
Curbside Service Subways, Preprint No.1518, July 71

Swift, R. David
See Arthur C. Heidebrecht, ST5:May 71:1407:8100

Switzky, Harold
Design and Analysis of Frames for Stability, with Ping Chun Wang, ST4:Apr 69:695:6522
Dsc: Mehmet Celebi, ST11:Nov 69:2540:6867; Adel Helmy Salem, ST2:Feb 70:427:7047
TR:136:709

Syal, Ishwar C.
Biaxially Loaded Beam-Column Analysis, with Satya S. Sharma, ST9:Sept 71:2245:8384
Elastic Behavior of Biaxially Loaded Steel Columns, with Satya S. Sharma, ST3:Mar 70:469:7143
Errata: ST2:Feb 71:721:7867
TR:136:593

Syamala Rao, B. C.
Dsc, with D. V. Chandrasekhara, HY10:Oct 71:1782:8407, of "Effect Of Side Walls On Flow Past Bluff Bodies", HY1:Jan 71:65:7788

Sylvester, R. O.
Dsc, with Frank E. Stratton and David H. Howells, CE:Apr 71:41, on Population and People, CE:Dec 70:27

Szabo, Barna A.
Stiffness Matrix for Plates by Galerkin's Method, with George C. Lee, EM3:June 69:571:6608
Dsc: Vipperla B. Venkayya and N. S. Khot, EM2:Apr 70:173:7188
Clo: EM6:Dec 70:1269:7710
TR:136:137

Szendrei, Michael E.
Road Responses to Vibration Tests, with Charles R. Freeme, SM6:Nov 70:2099:7709
TR:136:1289

Szepesi, Karoly
Dsc, with Zoltab Szilvassy, PO1:Jan 71:227:7784, of "Concrete Volume Change for Dworshak Dam", PO2:Oct 69:153:6825

Szilvassy, Zoltab
See Karoly Szepesi, PO1:Jan 71:227:7784

Tachau, Herman
Dsc, ST9:Sept 71:2429:8348, of "Fatigue Tests of Prestressed Concrete I-Beams", ST11:Nov 70:2443:7705

Tachibana, K.
Harmonic Currents in Catenary Systems from Chopper Control, with T. Tsuboi and S. Kariya, Preprint No.1429, July 71

Taft, Robert, Jr.
See Duane L. Cronk, CE:Apr 71:40

Taggart, Eugene T.
Dsc, CE:June 71:40, on Graphic Dissolved Oxygen Computation, CE:Mar 71:60

Tahbildar, Umesh Chandra
Earthquake Response of Arch Dams, with Hugh Tottenham, ST11:Nov 70:2321:7681
Dsc: Melvin W. Jackson, ST7:July 71:2027:8225; Ramakrishna Narayanaswami and Chiyyarath Girijavallabhan, ST8:Aug 71:2152:8271

Tall, Lambert
See Ching K. Yu, ST7:July 71:1841:8231

Tamai, Nobuyuki
Horizontal Surface Discharge of Warm Water Jets, with Robert L. Wiegel and Gordon F. Tornberg, PO2:Oct 69:253:6847
Dsc: Klas Cederwall, PO1:Jan 71:229:7784
Clo: PO3:July 71:711:8256
TR:136:719

Tamanini, Flory J.
Designing Fail-Safe Structures of Highway Safety, TE2:May 71:305:8150
Energy Absorbing Roadside Crash Barriers, with John G. Viner, CE:Jan 70:63
TR:136:79

Tambor, C. Wade
Transportation Innovation: Making It Profitable, UTI: pp.421-434, 1971

Tan, Chen Pang
Concrete Containments for Reactors-State-of-Art, ST7:July 70:1543:7424
Clo: ST7:July 71:2017:8225
TR:136:1016
Design of Steel Liners in Concrete Containments, with King Yuen Chu, Preprint No.1376, Apr 71
Dsc, with Sidney Shore, ST4:Apr 70:860:7191, of "Static Model Tests of Curved Girder Bridge", ST8:Aug 69:1599:6712
Dsc, with Sidney Shore, ST4:Apr 70:861:7191, of "Horizontally Curved Bridges Subject to Moving Load", ST8:Aug 69:1615:6713
Dsc, ST5:May 70:1001:7250, of "Behavior of Stiffened Curved Plate Model", ST11:Nov 69:2353:6876

Dsc, PO3:June 70:490:7312, of "Grouted Tendons for Nuclear Containment", PO2:Oct 69:277:6852
Dsc, ST6:June 70:1260:7314, of "Conventionally Reinforced Nuclear Containments", ST2:Feb 70: 199:7065

Tanagi, Shunsuke Takagi
Dsc, SM6:Nov 70:2163:7643, of "Comparison of Plane Strain and Triaxial Tests on Sand", SM3:May 70:901:7276

Tanaka, Masaru
See Jimmie E. Quon, SA2:Apr 70:437:7232

Tanel, A.
Dsc, CE:Mar 71:52, on Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, CE:Sept 70:73

Tang, Frederick L.W.
See C. T. Kuo, 12CEC:pp.179-201, 1971
See Kenneth S. T. Chang, 12CEC:pp.729-737, 1971

Tang, Jhy-Pyng
Fatigue Damage Factor in Structural Design, with James T.P. Yao, Preprint No.1387, Apr 71

Tang, Man-Chung
Analysis of Cable-Stayed Girder Bridgev, ST5:May 71:1481:8116
Dsc: Benjamin E. Lazar, ST10:Oct 71:2631:8411

Tang, Sam
Nonlinear Analysis of Instability in Tension, EM5: Oct 71:1487:8428

Tantala, Albert M.
Dsc, CE:July 71:56, on Federal Breakthrough Program Spurs Innovation in U.S. Housing Technology, CE:Sept 70:73

Tao, Li-Chung
Stability of a Heated Plastic Column, with Atle Gjelsvik, EM5:Oct 69:1169:6849
TR:136:802

Tarnoff, Philip J.
See Juri Raus, Preprint No.1516, July 71

Tarpy, Thomas S., Jr.
Dsc, with William H. Rowan, Jr., ST10:Oct 70:2249: 7570, of "Substructure Analysis by Matrix Decomposition", ST3:Mar 70:663:7169

Tarshansky, Issac W.
Dsc, SM6:Nov 70:2135:7643, of "Hydraulic Fills to Support Structural Loads", SM1:Jan 70:23:7009
Dsc, PISST:pp.198-200, 1971, of "Hydraulic Fills to Support Structural Loads", PISST:pp.169-193, 1971

Tarza, A. I.
See M. J.L. Hussey, ST3:Mar 71:753:7954

Tatlow, Richard H., III
What's the Deal? Government Negotiates Engineering Services, PP1:Sept 70:81:7557
TR:136:1167

Tavenas, Francois
Dsc, SM6:Nov 70:2157:7643, of "Tests on Instrumented Piles, Ogeechee River Site", SM2: Mar 70:561:7170

Taylor, Brent D.
Dsc, HY5:May 71:756:8081, of "Indeterminate Hydraulics of Alluvial Channels", HY11:Nov 70: 2309:7696
Dsc, HY11:Nov 71:1924:8483, of "Initiation of Ripples on Flat Sediment Beds", HY4:Apr 71:505: 8042

Taylor, Calvin W.
Better Designs for Man through Teamwork, Training, Research, and Feedback, ABS:pp.11-36, 1971

Taylor, Cedric
See Peter W. France, IR1:Mar 71:165:7959

Taylor, Donald A.
See Ian C. Medland, ST2:Feb 71:573:7933

Taylor, Geoffrey
See Nessim Hay, HY11:Nov 70:2337:7691

Taylor, Howard M.
Engineering Managers: Key to Cutting Labor Costs, CE:June 71:41

Taylor, J. E.
Maximum Strength Elastic Structural Design, EM3: June 69:653:6617
TR:136:1086

Taylor, Michael J.
Dsc, Assuring Engineer-Contractor Cooperation, with Richard G. Almes, Dsc, CE:May 71:64

Taylor, Robert L.
Dsc, EM5:Oct 71:1571:8406, of " Finite Element Bending Analysis of Reissner Plates", EM6:Dec 70: 967:7760

Taylor, Stewart F.
The Limited Tramway, Preprint No.1463, July 71
Urban Mass Transportation: Review and Analysis, with Louis W. Petulla, TE2:May 70:175:7277
Dsc: Labh S. Sachdev and William E. Popp, TE1: Feb 71:167:7864

Taylor, Thomas
See Robert D. Blackburn, IR3:Sept 71:421:8362

Tchobanoglous, George
Filtration of Treated Sewage Effluent, with Rolf Eliassen, SA2:Apr 70:243:7210
TR:136:438
See Thomas M. Rachford, SA6:Dec 69:1063:6957

Teague, Lavette C., Jr.
See Niles O. Sutphin, UP1:Apr 71:63:8055

Teleki, P. G.
Bottom Boundary Shear Stresses on a Model Beach, with Melvin W. Anderson, 12CEC:pp.269-288, 1971

Tene, Yair
See Marcelo Epstein, ST9:Sept 71:2189:8357

Tenney, Mark W.
See Wayne F. Echelberger, Jr., NSCD:pp.563-583, 1971
See Kurt J. Guter, SA1:Feb 71:109:7865

Tennyson, E. L.
Mass Transit - Panacea for Urban Problems, 1971

Terrill, J. G.
Public Health Factors in Reactor Site Selection, with C. L. Weaver, E. D. Harward and J. M. Smith, SA3:June 69:545:6620
TR:136:3

Terstriep, Michael L.
Urban Runoff by Road Research Laboratory Method, with John B. Stall, HY6:Nov 69:1809:6878
Dsc: Ray K. Linsley, HY4:Apr 70:1100:7189; Leonard H. Watkins, HY7:July 70:1625:7384; Franklin F. Snyder, HY7:July 70:1626:7384; Harvey W. Duff and George C.C. Hsieh, HY7: July 70:1629:7384; D. Earl Jones, Jr., HY9:Sept 70:1879:7497
Clo: HY4:Apr 71:574:8012
TR:136:274

Terzian, Carl L.
Dsc, CE:Oct 71:76, on Auto Race Facility: Tracks for Indianapolis, Grand Prix, Dragsters-All in One, CE:May 71:39

XUM

Terzidis, George
Computational Schemes for the Boussinesq Equation, IR4:Dec 68:381:6276
TR:136:609
Computation of Open-Channel Surges and Shocks, with Theodor Strelkoff, HY12:Dec 70:2581:7780
Dsc: C. Samuel Martin, HY7:July 71:1159:8223

Testin, Robert F.
Processing and Recovery of Municipal Solid Waste, with Neil L. Drobny, SA3:June 70:699:7345
TR:136:1266

Tewinkel, G. Carper
Regional Control Supplied by Photogrammetry, SU1: May 71:13:8136

Tezcan, Semih S.
Earthquake Design Formula Considering Local Soil Conditions, ST9:Sept 71:2383:8399
Finite Element Analysis of Hyperbolic Paraboloid Shells, with Krishna M. Agrawal and George Kostro, ST1:Jan 71:407:7847
Dsc: Cheruvathur I. Mathew, ST10:Oct 71:2619:8411
Tangent Stiffness Matrix for Space Frame Members, with Bijay C. Mahapatra, ST6:June 69:1257:6627
TR:136:730
Dsc, with George Kostro, ST2:Feb 70:421:7047, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510

Thackston, Edward L.
Predicting Effects of Dead Zones on Stream Mixing, with Karl B. Schnelle, SA2:Apr 70:319:7218
Dsc: Barry A. Benedict, SA1:Feb 71:112:7865
Errata: SA4:Aug 71:525:8269
Clo: SA5:Oct 71:756:8409
TR:136:1322

Thakkar, Manhar C.
Dsc, with Jawalker K. Sridhar Rao, ST8:Aug 70: 1837:7442, of "Behavior of Simply Supported Slabs", ST12:Dec 69:2703:6945
Dsc, with Jawalker K. Sridhar Rao, ST7:July 71: 2028:8225, of "Optimization of Redundant Prestressed Structures", ST12:Dec 70:2589:7755
See Bakul S. Bulsari, ST8:Aug 70:1835:7442

Thakkar, Shashi K.
See Anand S. Arya, EM1:Feb 71:109:7929
See Anand S. Arya, EM2:Apr 71:317:8010

Thamo, Gabriel
Dsc, IR3:Sept 71:525:8346, of "Irrigation Channel Structures, Victoria, Australia", IR2:June 70:131: 7371

Thandaveswara, B. S.
Dsc, HY1:Jan 71:202:7783, of "Open Channel Expansions Fitted with Local Hump", HY5:May 70:1105:7257

Theis, Thomas L.
Dsc, with Philip C. Singer, Wayne F. Echelberger, Jr. and Mark W. Yenney, SA4:Aug 70:1004:7441, of "Phosphate Removal: Summary of Papers", SA5: Oct 69:803:6807

Theron, W. F.D.
See M. J.L. Hussey, ST3:Mar 71:753:7954

Theuer, Paul J.
Dsc, A Proposal for ASCE, CE:Oct 71:38

Thierauf, Georg
Dsc, ST5:May 70:1004:7250, of "Buckling Loads of Nonuniform Columns", ST11:Nov 69:2419:6908

Thiers, Gerald R.
See Richard D. Ellison, SM4:Apr 71:661:8052

Thom, H. C. S.
Wind and Surge Damage Due to Hurricane Camille, with R. D. Marshall, WW2:May 71:355:8144
Dsc: Melvin W. Jackson, WW4:Nov 71:775:8488

Thomack, Frederick P.
See James D. Gruendler, Preprint No.1336, Jan 71

Thomann, Robert V.
Variability of Waste Treatment Plant Performance, SA3:June 70:819:7380
TR:136:1168

Thomas, Anthony Rylands
Dsc, HY7:July 70:1623:7384, of "Investigation of Brahmaputra River", HY5:Sept 69:1687:6793
Dsc, HY9:Sept 70:1894:7497, of "Local Scour Around Bridge Piers", HY6:Nov 69:1919:6891
Dsc, HY11:Nov 71:1915:8483, of "Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual", HY1:Jan 71:101:7786

Thomas, Francis M.
See Frederick A. Smith, Jr., ST3:Mar 70:613:7165

Thomas, Lindon C.
A Model for Turbulent Transfer in the Wall Region, with Liang T. Fan, TN: EM1:Feb 71:169:7858

Thomas, Richard E.
Hydrology of Spray-Runoff Wastewater Treatment, with James P. Lae, Jr. and Curtis C. Harlin, IR3: Sept 70:289:7538
Errata: IR3:Sept 71:535:8346
TR:136:1150

Thomas, Robert H.
Dsc, SA4:Aug 70:1017:7441, of "Time-Capacity Expansion of Waste Treatment Systems", SA6:Dec 69:1063:6957

Thomas, W. C., Jr.
See Riley N. Kinman, 4NSCD:pp.11-35, 1971

Thompson, Andrew
See Hillel I. Shuval, NSCD:pp.429-452, 1971

Thompson, J. G.S.
See D. Wermenlinger, PO2:Mar 71:515:7974

Thompson, Morris M.
Mapping for Changing Environment, SU1:Oct 69:35: 6818
Dsc: Philip Kissam, SU2:Sept 70:301:7501; Max O. Laird, SU2:Sept 70:302:7501
Clo: SU1:May 71:141:8085
TR:136:339

Thompson, T. L.
See E. J. Wasp, TE2:Apr 71:271:8106

Thompson, Thomas F.
Dsc, SM1:Jan 71:277:7785, of "Review of Shearing Strength of Rockfill", SM4:July 70:1159:7394

Thompson, Warren C.
Swell and Storm Characteristics from Coastal Wave Records, 12CEC:pp.33-52, 1971

Thomson, R. J.
Why Nuclear SES?, Preprint No.1489, July 71

Thon, J. George
Modernization of Dams on Salt River, with John W. O'Hara and Clarence H. Whalin, PO1:Jan 70:157: 7039
TR:136:466
Slurry Wall Construction for BART Civic Center Subway Station, with Richard C. Harlan, SM9:Sept 71:1317:8361

Thorn, Robert B.
Professional Recognition - How?, Preprint No.1558, Oct 71

Thornton, Charles H.
Hangar Features Stressed-Skin Hypars, with Richard L. Tomasetti, CE:Nov 70:54
TR:136:1044

Thornton, Edward B.
Variation of Longshore Current Across the Surf Zone, 12CEC:pp.291-308, 1971

Thorpe, Geoffrey R.
See Thomas L. Shaw, PO1:Jan 71:159:7810

Thorup, Robert T.
See Otis J. Sproul, NSCD:pp.385-396, 1971

Thrasher, William J.
Dsc, ST10:Oct 70:2238:7570, of "How Safe Are Your Towers?", ST1:Jan 70:1:6994

Tichenor, Bruce A.
Cooling Pond Temperature Versus Size and Water Loss, with Alden G. Christianson, Preprint No.1297, Jan 71
Cooling Pond Temperature Versus Size and Water Loss, with Alden G. Christianson, PO3:July 71:589:8250
See Lawrence D. Winiarski, SA4:Aug 70:927:7461

Tide, Raymond H. R.
Dsc, ST8:Aug 70:1819:7442, of "Buckling Loads of Nonuniform Columns", ST11:Nov 69:2419:6908

Tien, Chi
See Jeffrey S. Hsieh, SA4:Aug 71:505:8339

Tillman, Frank A.
Model for Planning a Transportation System, TE2:May 70:229:7289
TR:136:886
See Monroe L. Funk, HW2:Nov 68:255:6215

Timby, Elmer K.
Civil Engineering Management in Private Practice, PP1:July 69:17:6661
Dsc: Robert L. McFall, PP1:Sept 70:151:7549
Clo: PP10:Oct 71:226:8408
TR:136:88

Timmerman, D. H.
Behavior of Dry Sands under Cyclic Loading, with Tien H. Wu, SM4:July 69:1097:6698
Dsc: Warren L. Schroeder, SM3:May 70:1071:7249
Clo: SM2:Feb 71:477:7866
TR:136:186

Tinch, William R.
See Donald H. Orme, ST1:Jan 71:393:7840

Tinney, E. Roy
Research Needs in Civil Engineering Aspects of Power, Report of the Research Commission, Power Division, ASCE, PO1:May 68:33:5935
Dsc: Adolf A. Meyer, PO1:Mar 69:150:6442
Clo: PO1:Jan 71:221:7784
TR:135:664

Toakley, A. Raymond
See Geoffrey G. Roy, ST8:Aug 70:1832:7442

Tocher, James L.
See Carlos A. Felippa, ST2:Feb 70:422:7047

Todd, David K.
Hydrology and Geology of Honolulu Aquifer, with Charles F. Meyer, HY2:Feb 71:233:7910
Dsc: Doak C. Cox, L. Stephen Lau and Frank L. Peterson, HY12:Dec 71:2095:8552; Paul C. Ekern, HY12:Dec 71:2100:8552
See Avdhesh K. Tyagi, HY8:Aug 70:1734:7439

Toebes, Gerrit H.
See Jaques W. Delleur, HY6:Nov 69:1993:6901

Toftner, Richard O.
See Robert M. Clark, SA4:Aug 70:885:7449
See Robert M. Clark, SA1:Feb 71:33:7875

Tokarz, Frank J.
Experimental Study of Lateral Buckling of Arches, ST2:Feb 71:545:7893
Dsc: Filomeno N. Almeida, ST10:Oct 71:2621:8411; S. Olof Asplund, ST10:Oct 71:2623:8411

Toksoz, Sadik
Steady Drainage of Layered Soils: II, Nomographs, with Don Kirkham, IR1:Mar 71:19:7986
Steady Drainage of Layered Soils: 1, Theory, with Don Kirkham, IR1:Mar 71:1:7985

Toland, Richard H.
Random Walk Model for First-Passage Probability, with Cheng Y. Yang, EM3:June 71:791:8200

Tomasetti, Richard L.
See Charles H. Thornton, CE:Nov 70:54
See Lev Zetlin, 1971

Tomko, John J.
See Robert H. Scanlan, SM2:Mar 69:583:6468
See Robert H. Scanlan, EM6:Dec 71:1717:8609

Tomlinson, K. W.
See W. A. Price, 12CEC:pp.995-997, 1971
See W. A. Price, 12CEC:pp.1053-1058, 1971

Tomlinson, Raymond W.
New Distance Measuring Instruments, SU2:Sept 70:149:7521
TR:136:868

Tonning, Kristian
Chesapeake Bay Bridge Substructure, Preprint No.1398, Apr 71
Three Support Systems Used to Build Bridge Substructure, CE:Dec 71:43

Toprac, A. Anthony
Fatigue Strength of Hybrid Plate Girders, with Murugesam Natarajan, ST4:Apr 71:1203:8069
Dsc: Kenneth N. Smith, ST11:Nov 71:2767:8485

Torget, W. E.
Innovations in Barge Transportation on Columbia River, with Rowena Funston, WW2:May 70:411:7290
TR:136:968

Toridis, Theodore G.
Inelastic Response of Frames to Dynamic Loads, with Khalilollah Khozeimeh, EM3:June 71:847:8205
See E. A. Akkoush, Preprint No.1405, Apr 71

Tornberg, Gordon F.
See Nobuyuki Tamai, PO2:Oct 69:253:6847
See Robert L. Wiegel, WW2:May 70:307:7279

Torrance, J. Kenneth
Dsc, SM1:Jan 70:360:6989, of "Causes of Clay Sensitivity", SM3:May 69:845:6568

Torres, F. L.
See C. M. Arce, 4PCSM:pp.95-104, 1971

Torum, Alf
Dsc, BMS:p.146, 1971, of "Full Scale Observation of the Behavior of Moored Ships", BMS:pp.117-129, 1971

Tossey, DeFro
Tertiary Treatment by Flocculation and Filtration, with Paul J. Fleming and Ronald F. Scott, SA1:Feb 70:75:7106
TR:136:484

XUM

Toth, William E.
See Leslie G. Bromwell, 4PCSM:pp.333-343, 1971

Tottenham, Hugh
Cable Net: Continuous System Analysis, with Paul G. Williams, EM3:June 70:277:7347
TR:136:1187
See Umesh Chandra Tahbildar, ST11:Nov 70:2321:7681

Tovey, N. Keith
Dsc, with David H. Krinsley, SM4:Apr 71:691:8014, of " Effect of Particle Characteristics on Soil Strength", SM4:July 70:1221:7393
Dsc, SM4:Apr 71:694:8014, of "Engineering Behavior and Structure of Compacted Clay", SM4: July 70:1171:7397

Tovey, Rhys
Alfalfa Water Table Investigations, IR4:Dec 69:525:6974
TR:136:316

Towery, Neil G.
See Wyndham J. Roberts, SA6:Dec 70:1349:7745

Townsend, David R.
Control of Ice Jams at Barrett Chute G.S., PO3:July 71:597:8244
Dsc, HY6:Nov 69:2182:6866, of "Some Turbulence Measurements in Open-Channel Flow", HY1:Jan 69:209:6349

Tozzoli, Anthony J.
Effect of Technological Advances on the Steamship Industry, Preprint No.1517, July 71

Tracy, Hubert J.
Dsc, HY11:Nov 70:2399:7641, of "Distribution of Tractive Force in Open Channels", HY7:July 70:1469:7415

Trahair, Nicholas S.
Deformations of Geometrically Imperfect Beams, ST7:July 69:1475:6682
Dsc: Joseph A. Yura, STA1:Jan 70:162:6990; Alois J. Hartmann, ST4:Apr 70:859:7191
Clo: ST11:Nov 70:2523:7644
TR:136:179
Elastic Lateral Buckling of Stepped I-Beams, with Sritawat Kitipornchai, ST10:Oct 71:2535:8445
Elastic Stability of Continuous Beams, ST6:June 69:1295:6632
Dsc: Ganpat S. Pandit, ST3:Mar 70:739:7116
Clo: ST9:Sept 70:1966:7567
TR:136:138
Restrained Elastic Beam-Columns, ST12:Dec 69:2641:6941
TR:136:421
Dsc, with Peter T. Brown, ST8:Aug 70:1817:7442, of "Buckling Loads of Nonuniform Columns", ST11:Nov 69:2419:6908
Dsc, with Sritawat Kitipornchai and Gregory J. Hancock, EM6:Dec 71:1753:8551, of "Lateral Stability of Nonuniform Cantilevers", EM3:June 71:673:8172

Trammell, Joel H.
See Robert W. Mikitka, PO1:Jan 71:252:7784

Treadwell, George T.
Regional Application of ASCE Manual No. 50, with Robert V. Kycek, WW1:Feb 71:123:7883

Treiterer, Joseph
Design of Hamburg's New Airport Terminal, TE3:Aug 70:403:7483
TR:136:1120

Treloar, P. D.
Energy Losses under Wave Action, with A. Brebner, 12CEC:pp.257-267, 1971

Trescott, Peter C.
Digital Model of Alluvial Aquifer, with George F. Pinder and John F. Jones, WW3:May 70:1115:7264
Dsc: Robert L. McFall, HY11:Nov 70:2398:7641
Clo: HY6:June 71:870:8155
TR:136:729

Treybig, Harvey J.
Effect of Load Placement on Rigid Pavement Behavior, TE4:Nov 71:681:8543

Trigo, J. Teixeira
See Jose Marecos, ST4:Apr 69:555:6492

Trollope, D. Hugh
See Edwin T. Brown, SM2:Mar 70:685:7185

Trossello, Vincent A.
See George Rabe, ST1:Jan 71:223:7850

Trott, William J.
Multi-level Optimization of a Reservoir System, with William Wen-Gong Yeh, Preprint No.1526, Oct 71

Truss, Felix Warner
Memoir of, TR:136:1372

Tryde, P.
Dsc, BMS:pp.206-208, 1971, of "Full Scale Observations on Berthing Impacts: Their Interpretation", BMS:pp.198-202, 1971
Dsc, BMS:p.264, 1971, of "Selection of Fenders", BMS:pp.260-263, 1971

Tsai, Frank Y.
Dsc, HY12:Dec 71:2108:8552, of "Efficiency of Hydraulic Jump", HY3:Mar 71:409:7994
See C. Edward Bowers, HY6:Nov 69:2071:6915

Tsai, Yuh Hua
See Fred F. M. Chang, Preprint No.1538, Oct 71

Tsang, Gee
Formulas for Convective Motion of Fluids, TN: EM1:Feb 71:155:7858
Dsc, with Ross W. Irwin, IR2:June 71:334:8156, of "Friction Factors for Corrugated Plastic Tubing", IR3:Sept 70:265:7531

Tschebotarioff, Gregory P.
See Hugh Q. Golder, SM3:May 70:801:7292

Tseng, Jie-Tsai
See Liang-Tseng Fan, PO4:Dec 71:841:8595

Tso, Wai K.
Dynamic Analysis of Plane Coupled Shear Walls, with Ho-Bong Chan, EM1:Feb 71:33:7899
See Ahmed A. Ghobarah, EM2:Apr 69:447:6513
See J. K. Biswas, ST11:Nov 70:2540:7644

Tsuboi, T.
See K. Tachibana, Preprint No.1429, July 71

Tsuchiya, Yoshito
Limiting Condition for Standing Wave Theories by Perturbation Method, with Masataka Yamaguchi, 12CEC:pp.523-542, 1971
Successive Saltation of a Sand Grain by Wind, 12CEC:pp.1417-1427, 1971
See Shigehisa Nakamura, 12CEC:pp.2089-2102, 1971

Tsyploukhin, V. F.
See Yu M. Krylov, TN: WW4:Nov 71:793:8491

Tulin, Leonard G.
See John D. Mozer, ST3:Mar 70:597:7157

Tullis, J. Paul
Choking and Supercavitating Valves, HY12:Dec 71:1931:8593

Needle Valves as Pressure Regulators, with Maurice L. Albertson, HY5:Sept 69:1633:6787
Dsc: J. L. Haydock, HY4:Apr 70:1091:7189; Ramaswamy Sakthivadivel, S. Seetharaman and M. V. Somasundaram, HY7:July 70:1621:7384
Clo: SM2:Feb 71:337:7866
TR:136:220
Reducing Cavitation in Valves, with M. M. Skinner, HY6:Nov 68:1475:6255
Dsc: Kyatsandra Seetharamiah and Rama Prasad, HY6:Nov 69:2157:6866; Louis A. Darvas, HY6:Nov 69:2158:6866
Errata: HY9:Sept 71:1513:8345
Clo: HY6:June 70:1347:7310
TR:135:309
Dsc, HY9:Sept 71:1547:8345, of "Cavitation Parameters for Outlet Valves", HY12:Dec 70:2519:7771
See Gordon H. Flammer, HY7:July 70:1485:7418

Tung, Chi Chao
Life Expectancy of Highway Bridges to Vehicle Loads, EM6:Dec 69:1417:6976
TR:136:463

Tuohey, John T.
See Wilfred Revell, TE4:Nov 71:706:8486

Turian, Raffi M.
See Jeffrey S. Hsieh, SA4:Aug 71:505:8339

Turkstra, Carl J.
Dsc, ST5:May 70:986:7250, of "Safety Factors and Probability in Structural Design", ST7:July 69:1389:6667

Turnbull, J. MacNeil
Dsc, SM3:May 70:1078:7249, of "Standardization of Particle-Size Ranges", SM5:Sept 69:1247:6795

Turner, Darrell J.
Dams and Ecology: Can They be Made Compatible?, CE:Sept 71:76
Students Tackle Pollution Problems, CE:Sept 70:51
Dsc: Students and Pollution, M. S. Misra, CE:Jan 71:64
TR:136:694

Turner, Francis C.
Contributions of the Federal-Aid Highway Program, CE:June 70:71
Dsc: Edward A. Merrill, CE:Nov 70:39
TR:136:486

Turner, P. A.
See H. R. Brashear, 12CEC:pp.821-830, 1971

Turner, P. W.
Dsc, BMS:p.266, 1971, of "Selection of Fenders", BMS:pp.260-263, 1971

Turula, Peter
Buckling of Open Cylindrical Shells with Imperfections, with Kuang-Han Chu, EM6:Dec 70:1125:7733
Errata: EM5:Oct 71:1559:8406
TR:136:1308
See Kuang-Han Chu, EM6:Dec 70:877:7723
See Kuang-Han Chu, EM6:Dec 70:1143:7736

Tuthill, Lewis H.
Dsc, PO4:Dec 71:884:8554, of "Edward Hyatt (Orville) Underground Power Plant", PO2:Mar 71:419:7950

Tutt, Paul R.
See Kenneth W. Heathington, TE1:Feb 71:105:7921

Tyagi, Avdhesh K.
Dsc, with David K. Todd, HY8:Aug 70:1734:7439, of "Nonlinear Flow in Porous Media", HY6:Nov 69:1847:6883

Uddenberg, C.
Some Aerospace Systems Criteria for Ground Transportation, Preprint No.1514, July 71

Udeozo, Beka
See Ramanand Prasad, HY7:July 70:1622:7384

Uhlmann, Wolfhart
See Kurt Kloppel, ST7:July 70:1617:7386

Ulery, Harry H., Jr.
See Richard G. Ahlvin, TE4:Nov 71:711:8486

Undan, Rodolfo
See Norbert L. Ackermann, HY11:Nov 70:2231:7675

Underberger, Howard L.
See John D. Bristor, CO2:Nov 71:337:8482

Unny, Tharakkal E., Jr.
See Nicholas Kouwen, IR2:June 69:329:6633
See Harry M. Hill, HY5:Sept 69:1545:6770
See Gordon Keir, HY4:Nov 69:1781:6875
See Pierre F. Lemieux, EM6:Dec 70:1031:7731

Urabeck, Frank J.
See Ellsworth J. Gullidge, WW3:Aug 70:583:7453

Utesa, Luis Vieitez
See Jose Tinajero Saenz, 4PCSM:pp.225-241, 1971

Uthenwoldt, Gary
Dsc, ST9:Sept 71:2427:8348, of "Orthotropic Elastic Properties of Wood", ST11:Nov 70:2301:7682

Vaidya, Gajanan M.
Dsc, ST5:May 70:1001:7250, of "Bonded Wood-Concrete T-Beams", ST10:Oct 69:2265:6842

Vajda, Michael L.
See Mordechai H. Diskin, WW2:May 70:359:7283

Valent, Philip J.
See Adolph G. Altschaeffl, SM5:May 71:820:8083

Valent, Serge V.
Dsc, PO1:Jan 71:237:7784, of "Arch Dam Design: State-of-the-Art", PO1:Jan 70:93:7021

Valente, Gianfranco
See Raffaele Casaciario, EM5:Oct 71:1560:8406

Vallee, Herman
See James S. Windsor, WW2:May 69:149:6553

Vallerga, Bernard A.
Pavement Evaluation and Design for Jumbo Jets, with Benjamin F. Franklin McCullough, TE4:Nov 69:639:6895
TR:136:252

Vallianos, Limberios
Recent History of Erosion at Carolina Beach, N. C., 12CEC:pp.1223-1242, 1971

Valvis, Peri Z.
Power and Energy Study of Hydroelectric Plants, with Miltos Th. Mathioudis, PO2:Mar 71:567:8003

van Beek, Johannes L.
See Sherwood M. Gagliano, 12CEC:pp.1767-1781, 1971

Van Buren, Maurice P.
Staggered Columns in Flat Plates, ST6:June 71:1791:8222

Vanchagov, O. M.
See G. D. Khaskhachikh, WW4:Nov 71:735:8547

van de Kreeke, Jacobus
Sediment Pollution in Coastal Waters, 12CEC:pp.1803-1812, 1971

XUM

Vandenberg, John Lloyd
Memoir of, TR:136:1373

Van der Beken, Andre
Dsc, IR1:Mar 70:97:7114, of "Effect of Openings on Design of Subsurface Drains", IR1:Mar 69:199:6480
Dsc, HY12:Dec 70:2661:7711, of "Dynamic Equations for Steady Spatially Varied Flow", HY3:Mar 70:801:7179
Dsc, IR2:June 71:330:8156, of "Friction Factors for Corrugated Plastic Tubing", IR3:Sept 70:265:7531

Vanderbilt, M. Daniel
Structural Reaction Dynamometers, ST6:June 71:1701:8188

van der Gugten, Cornelis A.
Dsc, HY8:Aug 70:1778:7439, of "Designing Spillway Crests for High-Head Operation", HY3:Mar 70:745:7153

van der Molen, Jan L.
Dsc, ST2:Feb 71:727:7867, of "Optimal Multifactor Design Procedure for Sandwich Panels", ST4:Apr 70:823:7243

van der Weide, J.
See K. d'Angremond, 12CEC:pp.1601-1627, 1971

Van Donsel, Dale J.
See Edwin E. Geldreich, NSCD:pp.495-514, 1971

Van Duuren, Francois A.
Dsc, SA5:Jan 70:1286:7569, of "Engineering Evaluation of Virus Hazard in Water, by the Committee on Environmental Quality Management of the Sanitary Engineering Division", SA1:Feb 70:111:7112

VanHorn, David A.
See John M. Hanson, ST11:Nov 70:2443:7705

Vanmarcke, Erik H.
Properties of Spectral Moments with Application to Random Vibration, Preprint No.1375, Apr 71

Vann, William P.
Dsc, ST1:Jan 70:137:6990, of "Cyclic Yield Reversal in Steel Building Joints", ST3:Mar 69:327:6441
See Anestis S. Veletsos, ST4:Apr 71:1257:8075

Van Ness, William H.G.
Artic Research Laboratory, CE:May 71:69
Dsc: Glued Laminated Beams, Russell P. Wibbens, CE:Sept 71:93

Vanoni, Vito A.
Chapter III. Sediment Measurement Techniques: Reservoir Deposits, Task Committee on Preparation of Sedimentation Manual, HY12:Dec 70:2417:7781
Dsc: Banavar Murthy, HY6:June 71:877:8155; J. Roger McHenry, HY8:Aug 71:1253:8267; Herman G. Heinemann and David L. Rausch, HY9:Sept 71:1555:8345
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: A. Fluvial Sediment, Task Committee on Preparation of the Sedimentation Manual, HY5:Sept 69:1477:6756
Dsc: Roger LeB. Hooke, HY4:Apr 70:1073:7189; George Fleming, HY4:Apr 70:1075:7189; Harold P. Guy, HY5:May 70:1212:7248
Clo: HY5:May 71:725:8081
TR:136:823
Sedimentation Engineering, Chapter III: Sediment Measurement Techniques: F. Laboratory Procedures, Task Committee on Preparation of the Sedimentation Manual, HY5:Sept 69:1515:6757
Dsc: George Fleming, HY4:Apr 70:1076:7189; Udayagiri Mohan Rao, HY5:May 70:1215:7248
Clo: HY11:Nov 70:2377:7641
TR:136:798
Sedimentation Engineering, Chapter IV: Sediment Sources and Sediment Yields, Task Committee on Preparation of Manual on Sedimentation, HY6:June 70:1283:7337
Dsc: Jacques Bruschin, HY2:Feb 71:372:7863; George Fleming, HY2:Feb 71:376:7863; Stafford C. Happ, HY4:Apr 71:597:8012
Sedimentation Engineering, Chapter II: Sediment Transportation Mechanics: Q. Genetic Classification of Valley Sediment Deposits, Task Committee for Preparation of Sedimentation Manual, HY1:Jan 71:43:7815
Sedimentation Engineering, Chapter 3: Sediment Measurement Techniques: C. Accelerated Valley Deposits by, the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, HY5:May 70:1157:7269
Sedimentation Transportation Mechanics: G. Fundamentals of Sediment Transportation, Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation, HY12:Dec 71:1979:8591
Sediment Measurement Techniques: E. Airborne Sediment, by the Task Committee on Preparation of Sedimentation Manual, Committee on Sedimentation of the Hydraulics Division, HY1:Jan 70:29:7001
Dsc: Hsieh W. Shen, HY6:June 70:1371:7310
Clo: HY1:Jan 71:173:7783
TR:136:380
Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual, HY7:July 70:1503:7423
Dsc: Marion R. Carstens, HY1:Jan 71:209:7783; Millard P. Robinson, Jr. and Oner Yucel, HY3:Mar 71:468:7940; Ben Chie Yen, HY4:Apr 71:622:8012; Robert R. Faddick and Henry A. Babcock, HY5:May 71:745:8081
Sediment Transportation Mechanics: F. Hydraulics Relations for Alluvial Streams, Task Committee for Preparation of Sedimentation Manual, HY1:Jan 71:101:7786
Dsc: David Squaree, HY10:Oct 71:1775:8407; M. Gamal Mostafa and Ramsay M. McDermid, HY10:Oct 71:1777:8407; Thomas Maddock, Jr., HY11:Nov 71:1904:8483; Thomas Blench, HY11:Nov 71:1908:8483; John J. Franco, HY11:Nov 71:1913:8483; Anthony Rylands Thomas, HY11:Nov 71:1915:8483; Arved J. Raudkivi, HY12:Dec 71:2089:8552
Sediment Transportation Mechanics: H. Sediment Discharge Formula, Task Committee for Preparation of Sedimentation Manual, Sedimentation Committee, Hydraulics Division, HY4:Apr 71:523:8076
Dsc: George Fleming, HY9:Sept 71:1573:8345

van Schaik, C.
See J. A. Zwamborn, 12CEC:pp.13-31, 1971

Varde, O. A.
Settlements of Steel Tanks Founded on Clays (In Spanish), with E. Nunez and Arnolds J.L. Bolognesi, 4PCSM:pp.179-187, 1971

Varello, Paul J.
Difficult Excavation at Carley Porter Tunnel, CE:June 70:66
TR:136:478

Vargas, Milton
Effectiveness of Cut-offs under Three Earth Dams, 4PCSM:pp.257-273, 1971

Vasarhelyi, Desi D .
Tests of Gusset Plate Models, ST2:Feb 71:665:7901
Errata: ST12:Dec 71:2894:8557

Vasco Costa, Fernando
The Mechanics of Impact and Evaluation of the Hydrodynamic Mass Analytic Study of the Problem of Berthing, BMS:pp.157-173, 1971
Dsc: J. D. Rendle, BMS:p.206, 1971
Physical Model of the Moored Ship as an Oscillating System, BMS:pp.53-6, 1971
Dsc: S. Kastner, BMS:pp.139-143, 1971
Clo: Fernando Vasco Costa, BMS:pp.147-150, 1971
Selection of Fenders, BMS:pp.260-263, 1971
Dsc: P. Tryde, BMS:p.264, 1971; Pierre Giraudet, BMS:p.265, 1971; P. W. Turner, BMS:p.266, 1971; S. P. Whittington, BMS:p.266, 1971
Ways to Improve Berthing Operations, BMS:p.273, 1971
Dsc, BMS:p.139, of "Use of Models for the Study of the Behavior of Moored Ships", BMS:pp.136-138, 1971
Dsc, BMS:pp.143-144, 1971, of "Use of Models for the Study of the Behavior of Moored Ships", BMS:pp.136-138, 1971
Dsc, BMS:p.223, 1971, of "Model Investigation of Berthing Impacts", BMS:pp.215-219, 1971

Vashi, Kiran M.
Dsc, ST5:May 70:995:7250, of "Horizontally Curved Bridges Subject to Moving Load", ST8:Aug 69:1615:6713

Vasilescu, Mircea S.
Dsc, PO1:Jan 71:256:7784, of "New Design Criteria for USBR Penstocks", PO1:Jan 70:129:7034

Veletsos, Anestis S.
Analysis of Dynamic Response of Highway Bridgeu, with Tseng Huang, EM5:Oct 70:593:7591
TR:136:1140
Lateral and Rocking Vibration of Footings, with Yau T. Wei, SM9:Sept 71:1227:8388
Response of Ground-Excited Elastoplastic Systems, with William P. Vann, ST4:Apr 71:1257:8075

Venkataramaiah, Kothapalli Ramaiah
Dsc, EM1:Feb 70:92:7044, of " Over-All and Local Buckling of Channel Columns", EM2:Apr 69:447:6513
Dsc, with John Roorda, ST7:July 70:1610:7386, of "Effective Width of Thin Plates in Compression", ST10:Oct 69:2183:6837
Dsc, with John Roorda, ST4:Apr 71:1376:8015, of "Rational Design of Light Gage Beams", ST7:July 70:1535:7421

Venkataramana, S.
See T. R. Chandrasekhara, HY4:Apr 70:1068:7189
See T. R. Chandrasekhara, HY5:May 71:736:8081

Venkatesan, Mahadeva S.
See Frank Baron, ST2:Feb 71:679:7937
See Frank Baron, ST4:Apr 71:1305:8080

Venkatesha, C. R.
See K. V. Swaminathan, ST6:June 71:1818:8159
See K. V. Swaminathan, ST7:July 71:2023:8225

Venkateshwar Rao, D.
See Kolinjuvadi S. Sankaran, SM12:Dec 71:1714:8556

Venkateswara Rao, S.
Dsc, with P. Dayaratnam, ST9:Sept 71:2431:8348, of "Optimization of Redundant Prestressed Structures", ST12:Dec 70:2589:7755

Venkayya, Vipperla B.
Dsc, ST1:Jan 70:148:6990, of "Efficient Solution of Load-Deflection Equations", ST4:Apr 69:661:6510
Dsc, with N. S. Khot, EM2:Apr 70:173:7188, of "Stiffness Matrix for Plates by Galerkin's Method", EM3:June 69:571:6608

Vercelli, H. J.
See C. M. Arce, 4PCSM:pp.95-104, 1971

Verma, Rameshwar D.
Similitude Criteria for Flow from Unconfined Aquifers, with Wilfried Brutsaert, HY9:Sept 71:1493:8397
Unconfined Aquifer Seepage by Capillary Flow Theory, with Wilfried Brutsaert, HY6:June 70:1331:7363
TR:136:738
Unsteady Free Surface Ground Water Seepage, with Wilfried Brutsaert, HY8:Aug 71:1213:8337

Vervuurt, Hugo
Dsc, CE:Dec 70:54, on Ecological Values and Regional Planning, CE:Aug 70:40

Verwey, Adrianus
See Michael B. Abbott, HY12:Dec 70:2549:7763

Vesic, Aleksandar Sedmak
Breakout Resistance of Objects Embedded in Ocean Bottom, SM9:Sept 71:1183:8372
Tests on Instrumented Piles, Ogeechee River Site, SM2:Mar 70:561:7170
Dsc: John H. Schmertmann, SM4:July 70:1483:7385; Arnoldo J. L. Bolognesi, SM6:Nov 70:2155:7643; Francois Tavenas, SM6:Nov 70:2157:7643; Vasant N. Vijayvergiya, SM1:Jan 71:252:7785
TR:136:825

Vesilind, P. Aarne
Estimation of Sludge Centrifuge Performance, SA.3:June 70:805:7378
Dsc: Richard I. Dick, SA2:Apr 71:238:8013
Clo: SA6:Dec 71:934:8555
Dsc, SA4:Aug 71:544:8269, of "Shearing Effects On Settling of Activated Sludge", SA1:Feb 71:59:7926

Vey, Eban
See Carl J. Costantino, SM5:Sept 69:1159:6769

Vickery, Barry J.
Lift or Across-wind Response of Tapered Stacks, with Arthur W. Clark, Preprint No.1385, Apr 71
Wind Action on Simple Yielding Structures, EM2:Apr 70:107:7204
TR:136:1218

Vickery, J. J.
Drag or Along-Wind Response of Slender Structures, with Kvan H. Kao, Preprint No.1384, Apr 71

Victorov, Peter
Effect of Period of Record on Flood Prediction, HY11:Nov 71:1853:8525

Vidal, Henri
Reinforced Earth Steel Retaining Walls Used on High Steep Side Slopes in France, CE:Feb 70:72
TR:136:198

Viest, Ivan M.
Inspection of Steel Bridges For Fatigue Damage, by the Subcommittee on Inspection of Steel Bridges for Fatigue of the Task Committee on Structural Fatigue of the Structural Division, ST8:Aug 71:2107:8321

Vigander, Svein
Calibration and Use of a Low Velocity Current Meter, with Walter O. Wunderlich, Preprint No.1349, Jan 71
Internal Hydraulics of Thermal Discharge Diffusers, with Rex A. Elder and Norman H. Brooks, HY2:Feb 70:509:7085
Dsc: Thomas R. Camp and S. David Graber, HY12:Dec 70:2631:7711; Jabajattu Subramanya and Subash Chandra Awasthy, HY12:Dec 70:2635:7711
Clo: HY9:Sept 71:1518:8345
TR:136:1025

XUM

Viggiani, Carlo
Dsc, SM6:Nov 69:1574:6894, of "Controlled Gradient Consolidation Test", SM1:Jan 69:77:6327
Dsc, SM1:Jan 70:331:6989, of "An Analysis of Consolidation Theories", SM1:Jan 69:285:6370

Viggosson, Gisli
See Per M. Brunn, 12CEC:pp.935-953, 1971

Vigier, Gaston
See Pierre Londe, SM4:July 70:1411:7435

Vigrass, J. William
Setting the Stage for a Tour of the Lindenwold Hi-speed Line, NA:Mar 71:193

Vijayakumar, K.
Buckling of Polar Orthotropic Annular Plates, with C. V. Joga Rao, EM3:June 71:701:8171

Vijayvergiya, Vasant N.
Dsc, SM1:Jan 71:252:7785, of "Tests on Instrumented Piles, Ogeechee River Site", SM2:Mar 70:561:7170

Villemonte, James R.
See Donald K. Jamison, HY7:July 71:1045:8258

Viner, John G.
See Flory J. Tamanini, CE:Jan 70:63

Viparell, Michele
Dsc, with Marco Pica, HY2:Dec 70:622:7711, of "Characteristics of Self-Aerated Flows", HY2:Feb 70:331:7055

Virola, Juhani
Dsc, CE:Jan 71:59, on Newport Suspension Bridge, CE:Aug 70:64

Vitez, Bela
Dsc, CE:May 71:59, on St. Louis Power Plant to Burn City Refuse, CE:Jan 71:56

Vogel, Herbert D.
Dsc, TE4:Nov 69:704:6868, of "Economic Location of Locks", TE1:Feb 69:77:6397

Voight, Barry
State of Predictive Art in Subsidence Engineering, with William Pariseau, SM2:Mar 70:721:7187
Dsc: Birger Schmidt, SM5:Sept 70:1841:7499; R. J. Orchard, SM6:Nov 70:2162:7643; Richard E. Gray and Henry A. Salver, SM1:Jan 71:258:7785; W. S. Allen, SM1:Jan 71:260:7785; Koehler Stout, SM1:Jan 71:261:7785
TR:136:890

Volker, Raymond Edward
Nonlinear Flow in Porous Media by Finite Elements, HY6:Nov 69:2093:6927
Dsc: Horace A. Johnson, HY6:June 70:1370:7310; Alan K. Parkin and Ian C. O'Neill, HY7:July 70:1645:7384
Clo: HY2:Feb 71:348:7863
TR:136:336

Volkert, John
Dsc, CE:Dec 70:54, on Ecological Values and Regional Planning, CE:Aug 70:40

Vollmer, Arnold H.
Urban Planning and Development of River Cities, UP1:Mar 70:59:7144
Dsc: Robert L. McFall, UP2:Oct 70:168:7571
TR:136:906

Vollmers, Hans
Tidal Waves in Schematic Estuaries, with Jurgen Sundermann, 12CEC:pp.2133-2145, 1971
Dsc, with Egon Giese, HY6:June 70:1357:7310, of "Instability of Flat Bed in Alluvial Chann ", HY5:Sept 69:1545:6770
Dsc, with Egon Giese, HY12:Dec 70:2649:7711, of "Initial Instability of Fine Bed Sand", HY3:Mar 70:619:7139

Von Riesemann, Walter A.
See James A. Stricklin, ST9:Sept 71:2299:8392

Vopelak, Edwin L.
Integrated Management of Metropolitan Water Services, UWRM:pp.36-42, 1971

Vormeringer, Raymond
See Pierre Londe, SM4:July 70:1411:7435

Voutyras, Constantine
Reverse and Direct Reservoir Routing Method Sets Highway Grade, CE:Oct 69:56
TR:136:11

Vucetic, Jelena
Dsc, HY8:Aug 70:1723:7439, of "Stability of Oscillations in Simple Surge Tank", HY5:Sept 69:1577:6773

Vutz, Norman
PWM Inverter Induction Motor Transit Car Drives, Preprint No.1473, July 71

Wachs, Alberto M.
See Yair Folkman, SA3:June 70:675:7332

Wachs, Martin
Evaluating the Transit System and Access to Jobs in Chicago, with Joseph L. Schofer, Preprint No.1449, July 71
Systems Analyst's View of Noise and Urban Planning, with Joseph L. Schofer, UP2:Oct 70:147:7639
TR:136:948

Waddick, Robert K.
See Leif E. Fugelso, EM6:Dec 68:1337:6266

Wade, Neil H.
See Leonard Domaschuk, SM2:Mar 69:561:6461

Waggoner, Eugene B.
Dsc, IR4:Dec 69:621:6930, of "Role of Irrigation in the West's Expanding Economy", IR4:Dec 68:401:6281

Wagner, Ralph
See Ray Morales, CWFE:Mar 71:43

Wagoner, Marcia
See Philip M. Botch, Preprint No.1556, Oct 71

Wahls, Harvey E.
See James P. Olson, TN: SM8:Aug 71:1139:8307

Wahls, Haryl L.
See Ronald E. Smith, SM2:Mar 69:519:6452

Waidelich, A. T.
Dsc, CE:Sept 71:93, on Engineering-Architecture Interprofessional Practice, CE:Apr 71:37

Waitt, Frank W.F.
Systemic Variation Pattern of Annual River Flows, with Ian C. O'Neill, HY3:May 69:787:6531
Dsc: Robert L. McFall, HY6:Nov 69:2205:6866; Antonio Quintela, HY3:Mar 70:845:7113
Errata: HY4:Apr 70:1044:7189
Clo: HY9:Sept 70:1876:7497
TR:136:47

Waldorf, Wallace A.
Angat Project - The Leak in Tunnel Two, PO4:Dec 71:799:8571

Walker, A. C.
Dsc, with R. G. Dawson, ST6:June 70:1250:7314, of "Effective Width of Thin Plates in Compression", ST10:Oct 69:2183:6837

Walker, Fred C.
Treatment of High Embankment Dam Foundations, with R. W. Bock, Preprint No.1339, Jan 71

Walker, J. E.
See Kenneth R. Piech, Preprint No.1327, Jan 71
See Kenneth R. Piech, SU2:Nov 71:185:8507

Walker, James R.
See Robert Q. Palmer, 12CEC:pp.1629-1646, 1971

Walker, John J.
See Harold G. Arthur, PO1:Jan 70:129:7034

Walker, John N.
See Donald C. Slack, SM4:July 70:1143:7391

Walker, Leonard K.
Secondary Compression in the Shear of Clays, SM1: Jan 69:167:6348
TR:136:664
Dsc, SM1:Jan 70:319:6989, of "Time Dependent Deformation of Normally Consolidated Clays and Peats", SM1:Jan 69:1:6337

Walker, Thomas W.
See E. Alan Cassell, SA1:Feb 70:15:7053

Walker, William Hamilton
See J. E. Stallmeyer, ST12:Dec 68:2739:6290

Walker, William R.
Amortization of Nonconforming Uses in Flood Plains, UP1:Mar 70:1:7125
TR:136:779

Walker, Wynn R.
See Gaylord V. Skogerboe, IR3:Sept 70:309:7542
See Gaylord V. Skogerboe, HY4:Apr 71:609:8012

Wall, William J.
See Walter B. Benton, PO1:Jan 70:109:7029

Wallace, Alfred T.
Analysis of Equalization Basins, SA6:Dec 68:1161: 6310
TR:136:713
Characterization of Time-Varying Organic Loads, with Donald M. Zollman, SA3:June 71:257:8167

Wallace, George B.
See Merlin D. Copen, PO2:Mar 71:455:7964

Wallace, I. W.
See Hugh Robinson, Preprint No.1549, Oct 71

Wallace, James R.
Urban Water Management Needs in Runoff and Flood Regulation, UWRM:pp.32-35, 1971

Waller, D. H.
See William C. Lee, NSCD:pp.203-222, 1971

Wallingford, V. M.
Dam Has Slipformed Upstream Face, Precast Downstream Face, CE:Nov 70:49
Errata: Correction, Bryant Mather, CE:May 71:82
TR:136:1022

Walpole, Warren R.
Elasto-Plastic Seismic Response of Reinforced Concrete Frame, with Robin Shepherd, ST10:Oct 69:2031:6813
Dsc: James C. Anderson and Vitelmo V. Bertero, ST6:June 70:1246:7314; O. A. Glogau, ST6:June 70:1249:7314
Clo: ST12:Dec 70:2664:7714
TR:136:261

Walser, Adolf
See Glen A. Chauvin, PO3:June 70:400:7355

Walsh, Raymond
See Richard L. Rosenberger, SA05:Oct 68:913:6164

Walter, H. J.
Dsc, CE:Feb 71:55, on Dsc, Inspector vs. Quality Eng, Dsc, CE:Oct 70:52

Wambach, William T., Jr.
Dsc, SU2:Nov 71:339:8487, of "Coordinates Versus Confusion", SU2:Sept 70:191:7528

Wanaselja, Harold
New Triangle in Commuter Service, TE3:Aug 71: 501:8338

Wandmacher, Cornelius
Dsc, PP1:Sept 70:148:7549, of "One Man's View of Registration Today", PP1:July 69:1:6653

Wang, C. C.
Structural Design of Wells Hydrocombine, PO2:Mar 71:281:7980

Wang, Chun-Tsung
Dsc, HY7:July 70:1658:7384, of "Ripple Concentration and Friction Factor", HY2:Feb 70: 417:7067
Dsc, with Harry G. Wenzel, Jr., HY7:July 70:1660: 7384, of "Laminar and Turbulent Overland Flow Hydrographs", HY2:Feb 70:441:7069
Dsc, HY8:Aug 70:1777:7439, of "Cell Method for Computing Lake Circulation", HY3:Mar 70:725: 7152
Dsc, HY9:Sept 70:1920:7497, of "Resistance to Flow over Two-Dimensional Strip Roughness", HY3:Mar 70:815:7181
See Cheng-lung Chen, HY5:Sept 69:1671:6790

Wang, Hsiang
Behavior of a Slender Body in Shallow-water Waves, with Li-San Hwang, CEC:pp.1723-1744, 1971
Loadings on Large Piers in Waves and Currents, 12CEC:pp.1491-1512, 1971
Water Wave Pressure on Horizontal Plate, HY10:Oct 70:1997:7629
Dsc: Jonathan A. French, HY4:Apr 71:635:8012
Clo: HY12:Dec 71:2088:8552

Wang, John D.
See Ivar G. Jonsson, 12CEC:pp.489-507, 1971

Wang, Leon Ru-Liang
Parametric Matrices of Some Structural Members, ST8:Aug 70:1735:7494
TR:136:1026

Wang, Ping Chun
See Harold Switzky, ST4:Apr 69:695:6522
See Zachary Sherman, EM3:June 71:741:8192

Wang, Shien Tsun
Dsc, ST5:May 71:1639:8084, of "Rational Design of Light Gage Beams", ST7:July 70:1535:7421

Wang, Stephan S-K
Plastic Buckling Of Point-Loaded Spherical Shells, with Sanford B. Roberts, EM1:Feb 71:77:7930

Wang, Tung-Ming
Postbuckling of Column under Distributed Axial Load, TN: EM4:Aug 71:1323:8273

Wang, Wen L.
Low Velocity Projectile Penetration, SM12:Dec 71: 1635:8592

Warbington, A. Lee
Additions To Chief Joseph Dam Power Project, PO2: Mar 71:493:7970

Warburton, Geoffrey B.
Dsc, ST5:May 71:1648:8084, of "Nonsymmetric Vibrations of Thin Cylindrical Shells", ST10:Oct 70:2175:7632
Dsc, with John Higgs, EM6:Dec 71:1743:8551, of "Vibration Analysis of Thin Cylindrical Containers", EM2:Apr 71:317:8010

XUM

Ward, Donald T.
Calvert Cliffs - Focus on Structures, with Clifford M. Robinson, Jr., Preprint No.1408, Apr 71

Ward, Edward J.
Systems Approach to Choice in Transport Technology, TE4:Nov 70:455:7656
TR:136:1248

Ward, Howard S.
See W. Alan Dalgliesh, ST4:Apr 71:1370:8015

Warner, Robert F.
See Tuck Wah Leong, ST3:Mar 70:509:7150

Warshavsky, Moshe
See Michael Poreh, HY4:Apr 70:903:7208

Warshaw, Robert
See Walter S. Douglas, ST4:Apr 71:1129:8040

Warwaruk, Joseph
See Arthur E. McMullen, ST5:May 70:885:7270
See Priya R. Mukherjee, ST4:Apr 71:1063:8041

Wary, Richard M.
Dsc, SM2:Feb 71:480:7866, of "Safety Analysis of Slopes", SM2:Mar 70:609:7174

Washburn, George A.
Transmission Line Aesthetics and Economics, Preprint No.1383, Apr 71

Wasil, Benjamin A.
See James A. Mandel, ST7:July 71:1947:8260

Wasp, E. J.
Initial Economic Evaluation of Slurry Pipeline Systems, with T. L. Thompson and T. C. Aude, TE2:Apr 71:271:8106

Watanabe, Akira
See Kiyoshi Horikawa, 12CEC:pp.751-766, 1971

Watkins, Daniel J.
Surveying Responsibility of the Engineer-Manager, SU1:May 71:1:8101

Watkins, Laverne L.
Corrosion Test of Steel Piling in Sea Water, WW3: Aug 71:549:8292

Watkins, Leonard H.
Dsc, HY7:July 70:1625:7384, of "Urban Runoff by Road Research Laboratory Method", HY6:Nov 69: 1809:6878

Watsein, D.
Compressive Strength of Brick Walls with Large Eccentricities, with M. H. Allen, Preprint No.1400, Apr 71

Watson, Carl H.
See Julius H. Moor, HY6:June 71:777:8179

Watson, George H.
Dsc, SM4:July 70:1480:7385, of "In-place Treatment of Foundation Soils", SM1:Jan 70:73:7035
Dsc, PISST:pp.131-133, 1971, of "In-Place Treatment of Foundation Soils", PISST:pp.93-130, 1971

Watson, Keith K.
See Frank D. Whisler, IR4:Dec 69:481:6946

Watters, Gary Z.
Hydrodynamic Effects of Seepage on Bed Particles, with Manam V.P. Rao, HY3:Mar 71:421:7973
Dsc: Neil L. Coleman, HY11:Nov 71:1921:8483

Waugh, Richard G., Jr.
Economics of Channels and Maneuvering Areas for Ships, WW4:Nov 71:671:8537
Water Depths Required for Ship Navigation, WW3: Aug 71:455:8309

Wayman, Morris
See Edgar J. Dewar, NSCD:pp.453-468, 1971

Weathers, John W.
See James E. Goddard, HY4:July 69:1321:6696

Weaver, C. L.
See J. G. Terrill, SA3:June 69:545:6620

Weaver, William, Jr.
See D. M. Yoshida, Preprint No.1366, Apr 71

Webb, Desmond L.
Effects of Vibroflotation on Clayey Sands, with R. Ian Hall, SM6:Nov 69:1365:6882
TR:136:233
Effects of Vibroflotation on Clayey Sands, with R. Ian Hall, PISST:pp.393-406, 1971
Dsc, with Andrew L. Melvill, SM3:Mar 71:587:7943, of "Static Cone to Compute Static Settlement Over Sand", SM3:May 70:1011:7302

Webb, Robert S.
See D. M. Leppke, CO1:Mar 71:53:8002

Webber, Edward S.
Dsc, HY10:Oct 71:1787:8407, of "Mathematical Model For Water Distribution Systems", HY1:Jan 71:1:7797

Webber, Norman B.
See C. A. Greated, 12CEC:pp.1951-1957, 1971

Weber, Walter J.
Chemical Treatment, with Tom H. Forrest, CWFE: Mar 71:183
See Norbert A. Jaworski, SA3:June 70:727:7361

Wedgwood, Raymond J.L.
See Denison Campbell-Allen, ST3:Mar 71:825:7965

Wees, James A.
Khazzan Dubai No. 1: Pile Design and Installation, with Robert S. Chamberlin, SM10:Oct 71:1415: 8439

Weggel, Harold A.
Dsc, SM1:Jan 70:365:6989, of "Bridge Foundation Behavior in Alaska Earthquake", SM4:July 69: 1007:6664

Weggel, J. Richard
Numerical Model for Wave Pressure Distributions, with W. Hall C. Maxwell, WW3:Aug 70:623:7467
Dsc: Adel M. Kamel, WW2:Mar 71:433:8086
Dsc, WW3:Aug 71:584:8272, of "Shock Pressure on Coastal Structures", WW3:Aug 70:689:7487

Wegmann, Frederick J.
See Dennis C. Judycki, TE2:May 70:185:7281
See Shiva K. Pant, TE3:Aug 71:421:8288

Wei, Chien-Yung
Fundamental Frequencies of Axially Moving Beams, with John Peddieson, Jr., TN: EM4:Aug 71:1343: 8273

Wei, Chi-Yuan
See Gordon H. Flammer, IR1:Mar 70:1:7124

Wei, Yau T.
See Anestis S. Veletsos, SM9:Sept 71:1227:8388

Weidler, Jay B.
An Analytical Description of the Behavior of Granular Media, with Paul R. Paslay, EM2:Apr 69: 379:6491
TR:136:712
Constitutive Relations for Inelastic Granular Medium, with Paul R. Paslay, EM4:Aug 70:395: 7475
TR:136:1023
See Paul R. Paslay, EM3:June 69:587:6611

Weidmann, Victor H.
See Duane L. Cronk, CE:Apr 71:40

Weingarten, Victor I.
See Mehran Lashkari, Preprint No.1390, Apr 71

Weinhold, Herbert
Machine-Bored Caissons for Earth-Retaining Systems in Europe, CE:July 70:64
TR:136:556

Weiss, David M.
See David R. Fialkoff, Preprint No.1483, July 71

Weiss, Martin
See John R. Elwood, NSCD:pp.189-201, 1971

Weissberg, Harold L.
See Chyan S. Chiou, TN: EM6:Dec 71:1759:8559

Weissmann, Gerd F.
Torsional Vibrations of Circular Foundations, SM9: Sept 71:1293:8402
Vibrator for Soil Testing, TN: SM3:Mar 71:601:7962

Welch, Otis T.
Hydrographic Survey Techniques on Mississippi, SU1:May 71:109:8123

Wellons, Charles McCartney
Memoir of, TR:136:1374

Wells, Dan M.
High Plains Irrigation and Texas Water Plan, IR1: Mar 71:123:7960
Dsc: Frederick L. Hotes, IR3:Sept 71:541:8346

Wells, Donald R.
Scour Around a Circular Cylinder due to Wave Motion, with Robert M. Sorensen, 12CEC:pp.1263-1280, 1971

Wells, Edwin A.
General Financial Programs for Regional and Large Wastewater Systems, with Jack H. McMinn, CWFE:Mar 71:147

Wen, Robert K.
Dynamic Analysis of Inelastic Space Frames, with Fereydoon Farhoomand, EM5:Oct 70:667:7621
Clo: EM4:Aug 71:1296:8266
TR:136:1113
See Fereydoon Farhoomand, Preprint No.1371, Apr 71

Wend, Fred H.
See Herbert S. Riesbol, PO1:Jan 71:93:7811

Wengenroth, Reece H.
Bridge Engineer Looks at Esthetics of Structures, ST4:Apr 71:1227:8074
Dsc: John A. Burnes, ST11:Nov 71:2767:8485

Wengler, Roman P.
Design of Mossyrock Arch Dam, with William Y. J. Shieh, PO1:Jan 71:25:7805

Wenke, Harry N.
See John M. Biggs, ST1:Jan 71:13:7816

Wentworth, David F.
See Otis J. Sproul, NSCD:pp.385-396, 1971

Wenzel, Harry G., Jr.
Photomicroscopic Sublayer Velocity Measurement, with Michael J. Mathews, HY12:Dec 70:2467:7724
Errata: HY11:Nov 71:1903:8483
See Ben Chie Yen, HY3:Mar 70:801:7179
See Chun-Tsung Wang, HY7:July 70:1660:7384
See Yong Nam Yoon, HY9:Sept 71:1367:8373

Wermenlinger, D.
Churchill Falls Power Facilities, with J. G.S. Thompson and J. M. Gardiner, PO2:Mar 71:515: 7974

Wermers, Lyle G.
Urban Mass Transportation Planning, UP1:Mar 70: 41:7128
TR:136:853

Wern, Allan H.
Prestressing For H.B. Robinson Nuclear Plant, with Morris Schupack and W. Larson, PO2:Mar 71:539: 7992

Werner, Stuart D.
Dsc, with Samy A. Adham, SM5:Sept 70:1838:7499, of "Seismic Response of Soil Deposits", SM2:Mar 70:631:7175

Werren, Fred
Structural Timber Research at Forest Products Lab, ST12:Dec 69:2891:6980
Dsc: John D. Bristor, ST9:Sept 70:1979:7567
Clo: ST4:Apr 71:1354:8015
TR:136:491

Wesseling, J.
Dsc, IR1:Mar 70:101:7114, of "Flow Retardance in Vegetated Channel", IR2:June 69:329:6633

West, George F.
See E. A. Brinkman, Preprint No.1566, Oct 71

West, Leonard A.
Illinois Central Suburban Automated Revenue Collection System, TE1:Feb 71:117:7872

Westmann, Russell A.
See Juan E. Luco, EM5:Oct 71:1381:8416

Wetenkamp, Harry R.
See John C. McWhorter, EM2:Apr 71:345:8046

Wetzler, Theodore F.
See Winfred F. Maline, NSCD:pp.307-318, 1971

Wezenak, Chester T.
Evaluation of Nitrification in Streams, with John J. Gannon, SA5:Oct 68:883:6159
Dsc: Frank E. Stratton and Perry L. McCarty, SA5:Oct 69:952:6802; Wilber A. Blain, SA5:Oct 69:956:6802
Clo: SA3:June 70:842:7313
TR:136:692

Whalin, Clarence H.
See J. George Thon, PO1:Jan 70:157:7039

Wheby, Frank T.
Dsc, CO2:Nov 71:333:8482, of "Development of Tunneling Methods and Controls", CO2:Oct 70:99: 7577

Whetstone, William D.
Computer Analysis of Large Linear Frames, ST11: Nov 69:2401:6897
Dsc: H. Gordon Jensen and Gary A. Parks, ST8: Aug 70:1814:7442
Clo: ST4:Apr 71:1344:8015
TR:136:1065
Vibrational Characteristics of Linear Space Frames, with Charles E. Jones, ST10:Oct 69:2077:6821
TR:136:297

Whipple, William, Jr.
Aeration System for Large Navigable Rivers, with Shaw L. Yu, SA6:Dec 71:883:8601
Approaches and Viewpoints of State Natural Water Resources Agencies, UWRM:pp.100-105, 1971
Instream Aeration: An Alternative to Advanced Waste Treatment, CE:Sept 70:78
TR:136:750

XUM

Instream Aerators for Polluted Rivers, with Francis P. Coughlan, Jr. and Shaw L. Yu, SA5:Oct 70: 1153:7631
Dsc: David H. Stoltenberg, SA2:Apr 71:245:8013
Clo: SA6:Dec 71:937:8555
Dsc, SA5:June 70:841:6802, of "Conceptual Problems in Water Quality Economics", SA5:Oct 68:841: 6149

Whisler, Frank D.
Analysis of Infiltration into Draining Porous Media, with Keith K. Watson, IR4:Dec 69:481:6946
Errata: IR4:Dec 70:493:7712
TR:136:215

Whitaker, Richard E.
Saint Louis Bay Bridge, CO2:Oct 70:149:7588
TR:136:1111

White, Frank T.
Dsc, CE:Mar 70:42, on Black People Call for ASCE Social Action, CE:Dec 69:73

White, George C.
See Harvey F. Collins, NSCD:pp.137-161, 1971
See Harvey F. Collins, SA5:Oct 71:549:8430

White, Merit P.
Position Paper on Civil Engineering Education, by the ASCE Committee on Engineering Education, PP1:July 69:29:6671
Dsc: John D. Bristor, PP1:Sept 70:153:7549
TR:136:1102

White, Nikolas F.
Physics of Desaturation in Porous Materials, with Harold R. Duke, Daniel K. Sunada and Arthur T. Corey, IR2:June 70:165:7376
TR:136:878

White, Richard N.
Membrane Shear Transfer in R/C Containment Vessels, with Myle J. Holley, Jr., Preprint No.1395, Apr 71
Tubular Sections in Highway Structures, HW2:Nov 68:161:6227
TR:136:706
See James M. Corum, ST2:Feb 69:229:6419
See Harry G. Harris, Preprint No.1401, Apr 71

White, William A.
Status Report of Survey and Mapping Division, Preprint No.1318, Jan 71
Status Report of Surveying and Mapping Division, SU2:Nov 71:267:8532
See Frank D. Masch, 12CEC:pp.2031-2050, 1971

White, William Rodney
Flat-Vee Weirs In Alluvial Channels, HY3:Mar 71: 395:7989

Whitehead, C. F.
Dsc, CE:Sept 71:93, on Northfield Mountain Pumped Storage Project, CE:May 71:53

Whiteley, Virgil
Conceptual Problems in Water Quality Economics, with Bill B. Dendy, SA5:Oct 68:841:6149
Dsc: William Whipple, Jr., SA5:June 70:841:6802; David C. Major, SA5:Oct 69:951:6802
Errata: SA3:June 70:841:7313
TR:136:651

Whitman, Robert V.
Hydraulic Fills to Support Structural Loads, SM1:Jan 70:23:7009
Dsc: Jacob Feld, SM4:July 70:1478:7385; Sergey Steuerman and William A. Flynn, SM6:Nov 70: 2133:7643; Isaac W. Tarshansky, SM6:Nov 70: 2135:7643
Clo: SM6:June 71:925:8158
TR:136:519

Hydraulic Fills to Support Structural Loads, PISST: pp.169-193, 1971
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Clo: PISST:pp.201-201, 1971
Performance of Foundation for Altair Radar, with Dirk R. Casagrande, Kjell Karlsrud and Richard Simon, SM1:Jan 71:1:7809
Dsc: Jacob Feld, SM10:Oct 71:1500:8410
See Robert L. Schiffman, SM2:Mar 70:649:7178

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Finite State Approach to Vehicle Merging, Preprint No.1450, July 71

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Slides in Residual Soils From Shale and Limestone, with George F. Sowers and B. Roger Carter, 4PCSM:pp.139-152, 1971

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Wickens, A. H.
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Economic Channels and Maneuvering Areas for Ships, WW3:Aug 71:443:8308

Widera, Otto E.
See Rene Amon, TN: EM5:Oct 71:1597:8412

Wiedner, Karl
See Jacob K. Aldersebaes, PO2:Mar 71:351:7957
See James A. Dunlap, PO2:Mar 71:407:7949

Wiegel, Robert L.
Water Waves Generated by Landslides in Reservoirs, with Edward K. Noda, Edward M. Kuba, Dennis M. Dee and Gordon F. Tornberg, WW2:May 70: 307:7279
Dsc: Joseph L. Hammack, Jr., WW2:May 71:417: 8086
See Nobuyuki Tamai, PO2:Oct 69:253:6847
See Kenneth Chen, 12CEC:pp.1647-1666, 1971

Wierzbicki, Tomasz
Bounds on Large Dynamic Deformations of Structures, EM3:June 70:267:7344
Errata: EM2:Apr 71:585:8011
TR:136:835

Wiesel, Carl-Eric R.
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Wiesnet, Donald R.
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Wiggert, David C.
Dsc, WW1:Feb 70:158:7049, of "Computer Model for a Lock Manifold System", WW2:May 69:149: 6553

Wiggert, James M.
See Dinshaw N. Contractor, HY5:May 71:762:8081

Wiggins, Richard L.
Analysis and Design of Tower Foundations, PO1: Mar 69:77:6469
Dsc: Frank C. Hartzell, Jr. and Cetin A. Okcuoglu, PO3:June 70:486:7312
Clo: PO1:Jan 71:222:7784
TR:13:23

Wilde, Kenneth K.
International Challenge to Airports, TE3:Aug 70:269:7455
TR:136:1195

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Modular Systems Make Shore Protection Economical, with Earl R. Koller, CE:Oct 71:60
Dsc, with Leonard T. Norling, SM4:July 70:1476:7385, of "Mixing-in-Place Soil and Portland Cement", SM6:Nov 69:1357:6909
Dsc, WW4:Nov 70:863:7645, of "Bank Stabilization in Susquehanna River Basin", WW1:Feb 70:87:7061

Wilderer, P.
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Wilhelm, William J.
Effects of Creep and Shrinkage on Prestressed Concrete Columns, with Paul Zia, ST10:Oct 70:2103:7614
Dsc: Jostein Hellesland, ST6:June 71:1827:8159; Brij B. Goyal, ST7:July 71:2025:8225

Wilkins, J. K.
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Wilkinson, David L.
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Theoretical Lateral Resistance of Nailed Joints, ST5: May 71:1381:8121

Willardson, Lyman S.
See Lee F. Hermsmeier, IR3:Sept 70:265:7531
See Yu-Si Fok, IR3:Sept 71:449:8380

Willeke, Gene E.
Some Challenge Posed by Traditional Institutions and Practices, UWRM:pp.61-71, 1971

Willems, Nicholas
See Thomas M. Murray, ST12:Dec 71:2791:8574

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Estimating Costs of Earthwork via Simulation, Preprint No.1359, Apr 71

William, Kaspar J.
See Alexander C. Scordelis, ST7:July 70:1622:7386

Williams, David J.A.
See David D. Mara, SA2:Apr 70:628:7190

Williams, David R., Jr.
Practical Applications of Codes in Construction of Pipelines, TE4:Nov 70:471:7657
TR:136:1256

Williams, Frederic W.
Dsc, ST5:May 71:1642:8084, of "Bounding of Frame Buckling Loads", ST8:Aug 70:1639:7452
See William H. Wittrick, EM3:June 71:711:8177

Williams, Garnett P.
Manning Formula-A Misnomer, HY1:Jan 70:193:7036
Dsc: Chesley J. Posey, HY6:June 70:1373:7310; Rupchand M. Advani and Pashupati N. Modi, HY9:Sept 70:1910:7497; Praxitelis A. Argyropoulos, HY9:Sept 70:1912:7497; James C. I. Dodge, HY10:Oct 70:2139:7568
Clo: HY5:May 71:733:8081
TR:136:554

Williams, Gordon L.
Upgrading Overseas Construction Contracts, CE:Dec 70:51
TR:136:1224
See John M. Hayes, CE:Dec 71:63

Williams, Gordon R.
Dsc, HY8:Aug 70:1727:7439, of "Investigation of Brahmaputra River", HY5:Sept 69:1687:6793

Williams, H. S.
Gravity and Gradients of Long Tunnels, SU1:Oct 69:11:6815
TR:136:205

Williams, Merlin C.
Responsibility in Weather Modification Operation, with Richard A. Schleusener, IR1:Mar 70:61:7171
TR:136:721
Status of Weather Modification in Watershed Management, IR4:Dec 71:585:8608
Weather Modification as a Watershed Management Tool, IR1:Mar 69:15:6434
Clo: IR1:Mar 70:94:7114
TR:136:758

Williams, Paul G.
See Hugh Tottenham, EM3:June 70:277:7347

Williams, Philip B.
Initiation of Ripples on Flat Sediment Beds, with Patrick H. Kemp, HY4:Apr 71:505:8042
Dsc: Brent D. Taylor, HY11:Nov 71:1924:8483

Willis, D. H.
See W. A. Price, 12CEC:pp.995-997, 1971

Willis, Joe C.
Dsc, HY7:July 71:1149:8223, of "Indeterminate Hydraulics of Alluvial Channels", HY11:Nov 70:2309:7696

Willis, William F.
Rehabilitation of Wilson Dam Generating Units, with J. E. Kirkland, PO2:Oct 69:321:6861
TR:136:266

Willson, Richard J.
Operation and Maintenance of Irrigation and Drainage Systems: Section II--Organization for Operation and Maintenance, Committee on Operation and Maintenance of Irrigation and Drainage Systems of the Irrigation and Drainage Division, IR4:Dec 71:601:8613

Wilson, Basil W.
Dynamics of Ship Anchor-Lines in Waves and Currents, with Donald H. Garbaccio, WW4:Nov 64:449:6888
Dsc: Edmond B. Pugsley, HY3:Aug 70:749:7443; R. M. Langer, WW4:Nov 70:859:7645
Clo: WW2:May 71:401:8086
TR:136:275
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XUM

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Wilson, Edward L.
See Ranbir S. Sandhu, EM3:June 69:641:6615
See Peter G. Smith, ST1:Jan 71:191:7825

Wilson, G. Jeyaraj
Dsc, with James Kirkhope, EM5:Oct 71:1570:8406, of " Finite Element Bending Analysis of Reissner Plates", EM6:Dec 70:967:7760

Wilson, James F.
Cross-Velocity Behavior in Parallel Channel Flow, EM4:Aug 69:921:6736
Dsc: Bruce W. Hunt, EM1:Feb 70:104:7044
Clo: EM5:Oct 70:789:7574
TR:136:208

Wilson, Kenneth C.
Parameters for Bed Slip Point in Two-Phase Flow, HY10:Oct 71:1665:8426
Slip Points of Beds in Solid-Liquid Pipeline Flow, HY1:Jan 70:1:6992
Errata: HY2:Dec 70:2615:7711
TR:136:347
Surge Studies for Portage Mountain Tailrace System, PO1:Mar 69:1:6432
TR:136:649

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The Puget Sound Ferry System, Preprint No.1428, July 71

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Observational Data on Ground Movements Related to Slope Instability, SM5:Sept 70:1519:7508
Errata: SM7:July 71:1033:8224
TR:136:1049
See Hugh Q. Golder, SM3:May 70:801:7292

Wilson, Thomas T., Jr.
Manning n for Cast-in-Place Concrete Pipe, with Edib Kirdar, HY3:May 69:995:6575
Dsc: Edward Silberman, HY1:Jan 70:298:6988; Bent A. Christensen, HY3:Mar, 70:850:7113; Ramaswamy Sakthivadivel, S. Seetharaman and M. V. Somasundaram, HY3:Mar 70:855:7113; Robert G. Cox, HY7:July 70:1612:7384
Clo: HY2:Feb 71:336:7863
TR:136:132
Use of Runoff Forecasting in Reservoir Operations, with Edib Kirdar, IR3:Sept 70:299:7541
Dsc: Robert L. McFall, IR1:Mar 71:218:7941
Clo: IR4:Dec 71:645:8553

Wilson, Wallace Estill
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Windisch, Stephen J.
Technique for Study of Granular Materials, with Michel Soulie, SM4:July 70:1113:7389
Dsc: T. Ramamurthy, SM4:Apr 71:686:8014
Clo: SM11:Nov 71:1595:8484
TR:136:1310

Windsor, James S.
Computer Model for a Lock Manifold System, with Herman Vallee, WW2:May 69:149:6553
Dsc: David C. Wiggert, WW1:Feb 70:158:7049
Clo: WW3:Aug 70:728:7443
TR:136:68
Model For Farm Irrigation in Humid Areas, IR3:Sept 71:369:8355

Winiarski, Lawrence D.
Model of Natural Draft Cooling Tower Performance, with Bruce A. Tichenor, SA4:Aug 70:927:7461
Dsc: B. P. Bagish, ST6:June 71:1810:8159
TR:136:1028

Winn, Earl Franklin, Jr.
Memoir of, TR:136:1375

Winn, W. Paul
Cavitation Parameters for Outlet Valves, with David E. Johnson, HY12:Dec 70:2519:7771
Dsc: Eric Miller, HY9:Sept 71:1544:8345; J. Paul Tullis, HY9:Sept 71:1547:8345; Ramaswamy Sakthivadivel, S. Seetharaman and G. Padmanabhan, HY10:Oct 71:1767:8407; Louis A. Darvas, HY10:Oct 71:1769:8407

Winter, George
See Walter M. Ruiz, ST6:June 69:1189:6601
See Asfandiar K. Dhalla, ST10:Oct 71:2549:8442

Wirsching, Paul H.
Monte Carlo Study of Seismic Structural Safety, with James T. P. Yao, ST5:May 71:1497:8118
Random Behavior of Columns, with James T. P. Yao, EM3:June 71:605:8183
Statistical Methods in Structural Fatigue, with James T. P. Yao, ST6:June 70:1201:7377
TR:136:966

Wirtanen, Theodore H.
Laser Multilateration, SU1:Oct 69:81:6843
TR:136:529

Wise, Carlton T.
Novel Construction Concept for Raw-Water Intake, with Doyle D. Gillespie, CE:June 71:43

Wisely, F. E.
St. Louis Power Plant to Burn City Refuse, with G. Sutterfield and David L. Klumb, CE:Jan 71:56
Dsc: Bela Vitez, CE:May 71:59

Wisely, William H.
The Alternative to Unionism, CE:Feb 71:43
Dsc: Christopher P. Kittides, CE:May 71:59; Stanley I. Hart, CE:May 71:78; Edward A. Bryant, CE:May 71:78
Article Three and the Department of Justice, CE:Sept 71:47
The Civil Engineer and the Conservationist, CE:Feb 70:37
Dsc: David K. Witheford, CE:May 70:43; James D. Harpster, CE:May 70:43; F. J. Clarke, CE:May 70:43; Ellis L. Armstrong, CE:July 70:38; Fred G. Evenden, CE:July 70:38; CE:Sept 70:72
TR:136:154
The Civil Engineer in the Concept Team, CE:Dec 71:37

Engineering-Architecture Interprofessional Practice, CE:Apr 71:37
Dsc: Architects vs. Engineers, Shu-Tien Li, CE: Sept 71:72; Architects vs. Engineers, William J. Heiser, CE:Sept 71:87; Architects vs. Engineers, A. T. Waidelich, CE:Sept 71:93
A Game Plan for Interprofessional Collaboration in Engineering and Architecture, CE:Oct 71:41
A Hard Look at Civil Engineering Salaries, CE:May 70:33
Dsc: John N. Woelfl, CE:Oct 70:44; Richard J. Piasecki, CE:Oct 70:51; ASCE, Engineers, and Unions, James L. Dotson, CE:Jan 71:71
TR:136:370
Politics and Water Pollution, CE:Oct 70:41
Dsc: Pollution Control, C. L. Shimek, CE:Jan 71: 71; Politics and Water Pollution, Thomas R. Camp, CE:Feb 71:46; Eugene T. Jensen, CE: May 71:43
Population and People, CE:Dec 70:27
Dsc: Duane L. Cronk, Edmund S. Muskie, Robert Taft, Jr., Peter C. Kohnke and Victor H. Weidmann, CE:Apr 71:40; Eugene H. Harlow, CE:Apr 71:41; Paul J. Costic, III, CE:Apr 71: 41; Harvey E. Jobson and Harold B. Gotaas, CE:Apr 71:41; Robert L. McFall, Victor L. Hauser and Lawrence P. Kolb, CE:Apr 71:41; Graham Purcell, CE:Apr 71:41; James Abourezk, CE:Apr 71:4; Wilson V. Binger, CE: Apr 71:41; R. O. Sylvester, Frank E. Stratton and David H. Howells, CE:Apr 71:41; Peter G. Koltnow, CE:Apr 71
Professional Input to Engineering Education, CE:Aug 71:27
Social Responsibilities of ASCE, CE:Aug 70:45
TR:136:610
The Status Of The Associate Member In ASCE, CE: Apr 70:41
TR:136:319
Thanks For Your Confidence, CE:Mar 70:35
TR:136:217
A Word With The Executive Director About. . . The Quality of Personal Success, CE:June 71:37
Dsc: John M. Hayes, Carey H. Brown, Alfred C. Maevis, George L. Jackson and Gordon L. Williams, CE:Dec 71:63

Wiss, John F.
Wind Deflection of Tall Concrete Frame Buildings, with Otto E. Curth, ST7:July 70:1461:7413
Dsc: W. Alan Dalgliesh and Howard S. Ward, ST4:Apr 71:1370:8015; Alan G. Davenport and Michael Hogan, ST6:June 71:1807:815

Wissa, Anwar E.Z.
Consolidation at Constant Rate of Strain, with John T. Christian, Edward H. Davis and Sigurd Heiberg, SM10:Oct 71:1393:8447

Witheford, David K.
Dsc, CE:May 70:43, on The Civil Engineer and the Conservationist, CE:Feb 70:37

Witherow, Jack L.
See Marion R. Scalf, SA5:Oct 69:817:6817

Witherspoon, Paul A.
See Shlomo P. Neuman, EM2:Apr 71:359:8023

Wittrick, William H.
Initial Buckling of Channels in Compression, with Frederic W. Williams, EM3:June 71:711:8177

Witzel, Stanley S.
See Neal E. Minshall, SA2:Apr 70:513:7238

Woelfl, John N.
Dsc, CE:Oct 70:44, on A Hard Look at Civil Engineering Salaries, CE:May 70:33

Woerner, J.
See James N. Luthin, IR1:Mar 69:117:6446

Woestenenk, A. J.
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Wohl, Martin
Assessing the Prospects of Current Transit Proposals, UTI:pp.43-58, 1971
Current Mass-Transit Proposals: Answer to Our Commuter Problem?, CE:Dec 71:68

Wolchuk, R.
Long-Span Steel Deck Railroad Bridge, with J. C. Bridgefarmer, CE:Apr 70:71
TR:136:286

Wolf, Joseph A., Jr.
Natural Frequencies of Circular Arches, ST9:Sept 71: 2337:8393

Wolf, Paul R.
See James D. Gruendler, SU1:Apr 70:1:7195

Wolfe, James E.
Cement Mortar Lining of 20-foot Steel Pipe, Preprint No.1562, Oct 71

Wolford, Don S.
Steel Highway Accessory Structures, ST7:July 71: 1991:8255

Wolfskill, L. Anthony
See T. William Lambe, SM3:May 70:817:7307

Wolfson, James B.
Graphic Analysis of Roadway Runoff, CE:June 71:64

Wong, Andrew K.C.
Artificial Intelligence Continuum Mechanics, with George Bugliarello, EM6:Dec 70:1239:7779
Dsc: D. K. Rao, EM5:Oct 71:1583:8406
Parallel Processing Approach to Bridge Planning, with Tung Au, ST1:Jan 71:115:7822

Wong, Ing H.
See T. William Lambe, SM3:May 70:817:7307

Wong, Kam W.
Television Display of Topographic Maps, with Nick G. Yacoumelos, SU2:Nov 71:273:8531

Wong, Ralph F.
Flood-Control Facilities for Unique Flood Problems, with Alfonso Robles, Jr., WW1:Feb 71:185:7894

Wong, Yau-Cheung
Face Wrinkling of Sandwich Plates and Cylinders, with Peter G. Hoadley, EM4:Aug 71:1071:8281

Woo, Dah-Cheng
Dsc, HY9:Sept 70:1899:7497, of "Energy Dissipators for Large Culverts", HY6:Nov 69:1941:6893

Wood, Don J.
Analog Analysis of Water Distribution Networks, TE2:May 71:281:8112
Effect of Pipeline Junctions on Water Hammer Surges, with Shen P'eng Chao, TE3:Aug 71:441: 8296
Pressure Surge Attenuation Utilizing an Air Chamber, HY5:May 70:1143:7267
Dsc: John S. Gladwell and Cheng-nan Lin, HY1: Jan 71:207:7783; Harald R. Graze, HY3:Mar 71:455:7940
Clo: HY11:Nov 71:1892:8483
TR:136:1299

Wood, F. C.
Cost Control in Hospital Design, Preprint No.1530, Oct 71

Wood, Stuart, Jr.
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XUM

Wood, Walter J.
Los Angeles County Flood Control System and the Early 1969 Storms, CE:Jan 70:58
Errata: CE:July 70:57
TR:136:61

Wood, William G.
Dsc, EM4:Aug 71:1293:8266, of "Impact of Spheres on Ice", EM5:Oct 70:641:7607

Woodhead, Ronald W.
See E. Lile Murphee, Jr., TE3:Aug 71:389:8283
See D. W. Halpin, Preprint No.1550, Oct 71

Woodland, B. T.
Structural Aspects of Deep Submersible Structures, Preprint No.1412, Apr 71

Woodruff, Richard S.
Pumped Storage: State-of-the-Art, PO3:July 71:675:8262

Woods, Donald L.
The Driver and the Road, TE4:Nov 71:609:8513
Turn Penalty Effects on Minimum Time Paths, with J. T. Brudeseth and Vergil G. Stover, TE4:Nov 69:659:6896
TR:136:1238

Woods, Richard D.
Screening of Surface Waves in Soils, PISST:pp.407-435, 1971

Woods, Stanley W.
Dsc, CE:June 70:46, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Woodyer, K. D.
Dsc, HY3:Mar 70:849:7113, of "Formation of Flood Plain Lands", HY3:May 69:981:6574

Woolhiser, David A.
Dsc, IR4:Dec 70:498:7712, of "Surface Irrigation Using the Kinematic-Wave MethoS", IR1:Mar 70:39:7134
See Hai Yain Chang, WW1:Feb 71:155:7869

Wormley, D. N.
See D. A. Hullender, Preprint No.1499, July 71

Wortman, Robert H.
See E. Lile Murphee, Jr., TE3:Aug 71:389:8283

Wosser, Thomas D.
Tiebacks for Bank of America Building Foundation Wall, with Robert D. Darragh, CE:Mar 70:65
TR:136:295

Wright, Albert M.
Dsc, with Michael C. Kavanaugh, SA2:Apr 70:620:7190, of "Theory of Sand Filtration", SA3:June 69:399:6593

Wright, David Ellis
Dsc, HY4:Apr 70:1047:7189, of "Hydraulic Properties of Small Unlined Rock Tunnels", HY4:July 69:1181:6672
Dsc, HY4:Apr 70:1061:7189, of " Hydraulic Design of Unlined Rock Tunnels", HY4:July 69:1235:6679
Dsc, PO1:Jan 71:260:7784, of " Diversion at Portage Mountain Project", PO3:June 70:349:7346

Wright, E. V.
Unique Methods Solve Cofferdam Construction, CE:Nov 71:37

Wright, E Whitman
Dsc, with Edwin H. Gaylord, ST8:Aug 70:1824:7442, of "Inelastic Analysis of Multistory Multibay Frames", ST11:Nov 69:2477:6922

Wright, James H.
The Environmental Challenge--Values in Conflict, PP1:Oct 71:17:8471

Wright, James L.
Never A Greater Need, CE:Apr 71:81

Wright, Joseph P.
See John McCormick, ST3:Mar 70:729:7116

Wright, Kenneth R.
Dsc, with Elmer L. Claycomb, HY6:Nov 69:2196:6866, of "Storm Drainage Practices of Thirty-two Cities", HY1:Jan 69:383:6365

Wright, Lynn D.
Hydrography of South Pass, Mississippi River, WW3:Aug 71:491:8290

Wright, Richard N.
Constraint Processing in Design, with LeRoy T. Boyer and John W. Melin, ST1:Jan 71:481:7856

Wright, Robert R.
Linear-Momentum Flux to Overbank Sections, with Marion R. Carstens, HY9:Sept 70:1781:7517
Dsc: Chesley J. Posey, HY5:May 71:752:8081; Gurbachan P. Malhotra, HY7:July 71:1139:8223

Wronkiewicz, John H.
See Richard A. Parmelee, ST10:Oct 71:2503:8437

Wu, I-pai
Graphic Relation of Intake Length-of-Run and Time, with A. Alvin Bishop, IR3:Sept 70:223:7506
Dsc: Delmar D. Fangmeier and David W. Fonken, IR3:Sept 71:532:8346
Optimal Design of Furrow Length of Surface Irrigation, with Tung Liang, IR3:Sept 70:319:7543
Dsc: Soronadi Nnaji, IR2:June 71:340:8156

Wu, Jin
Anemometer Height in Froude Scaling of Wind Stress, WW1:Feb 71:131:7873

Wu, Tien H.
Safety Analysis of Slopes, with Leland M. Kraft, Jr., SM2:Mar 70:609:7174
Dsc: Richard M. Wary, SM2:Feb 71:480:7866
Clo: SM10:Oct 71:1483:8410
TR:136:865
See D. H. Timmerman, SM4:July 69:1097:6698

Wunderlich, Walter O.
Effect of Intake Elevation and Operation on Water Temperature, with Rex A. Elder, HY6:Nov 69:2081:6917
Dsc: Ronald E. Nece, HY7:July 70:1644:7384; Joel L. Caves, HY9:Sept 70:1901:7497
Clo: HY4:Apr 71:580:8012
TR:136:328
Dsc, with Rex A. Elder, HY5:May 70:1207:7248, of "Selective Withdrawal from Density-Stratified Reservoirs", HY4:July 69:1369:6702
See Svein Vigander, Preprint No.1349, Jan 71

Wylie, E. Benjamin
Unsteady Free-Surface Flow Computations, HY11:Nov 70:2241:7683
TR:136:1208
Dsc, HY2:Feb 71:380:7863, of "Resonance in Pressurized Piping Systems", HY9:Sept 70:1819:7525
See Suresh Sangal, TE4:Nov 69:689:6868

Wyngaard, Lee A.
See Joseph Anderson, PO2:Feb 71:335:7975

Wynhoven, J. H.
Dsc, with Peter F. Adams, ST11:Nov 70:2538:7644, of "Lateral-Load Analysis of Asymmetric Multistory Structures", ST2:Feb 70:317:7089

Yachnis, Michael
See William J. Bobisch, Preprint No.1357, Apr 71

Yacoumelos, Nick G.
See Kam W. Wong, SU2:Nov 71:273:8531

Yalin, Mahmet S.
Dimensional Analysis - Spurious Correlation, with J. William Kamphuis, 12CEC:pp.625-638, 1971

Yamaguchi, Masataka
See Yoshito Tsuchiya, 12CEC:pp.523-542, 1971

Yancey, T.
See P. Wilde, 12CEC:pp.1397-1415, 1971

Yanek, Edward J.
Analysis of Large Complex Hydraulic Turbine Components, Preprint No.1410, Apr 71

Yang, Cheng Y.
Statistical Prediction of Hurricane Storm Surge, with A. M. Parisi and William S. Gaither, 12CEC: pp.2011-2030, 1971
See Richard H. Toland, EM3:June 71:791:8200

Yang, Chih Ted
Longitudinal Dispersion of Bed-Material Particles, with William W. Sayre, HY7:July 71:907:8228
Stochastic Model For Sand Dispersion, with William W. Sayre, HY2:Feb 71:265:7892
Errata: HY7:July 71:1161:8223

Yang, Henry T.Y.
Finite Element on Elastic Foundation, ST10:Oct 70: 2083:7604
Dsc: Abdul Q. Khan, Aftab A. Mufti and Philip J. Harris, ST5:May 71:1646:8084
Clo: ST12:Dec 71:2888:8557

Yang, I-Min
See Wilfred D. Iwan, EM6:Dec 71:1609:8576

Yang, J. N.
Maximum Dynamic Response and Proof Testing, with E. Heer, Preprint No.1372, Apr 71

Yang, Jann-Nan
Maximum Dynamic Response and Proof Testing, with Ewald Heer, TN: EM4:Aug 71:1307:8273

Yang, Nai C.
Interaction of Aircraft and Ground Structure, ST6: June 70:1119:7360
TR:136:938
New Paving Concept for Newark Airport, CE:Sept 70:95
Dsc: Airport Pavements, Fred Bennett, CE:Jan 71:67
Clo: Airport Pavements, Nai C. Yang, CE:Jan 71: 67
TR:136:832
Relaxation of Piles in Sand and Inorganic Silts, SM2: Mar 70:395:7123
Dsc: Sachinder N. Gupta, SM6:Nov 70:2144:7643
Clo: SM5:May 71:791:8083
TR:136:550

Yao, James T. P.
Concept of Structural Control, Preprint No.1360, Apr 71
Formulation of Structural Reliability, with Hsiang-Yueh Yeh, ST12:Dec 69:2611:6939
TR:136:407
See Paul H. Wirsching, ST6:June 70:1201:7377
See Jhy-Pyng Tang, Preprint No.1387, Apr 71
See Paul H. Wirsching, ST5:May 71:1497:8118
See Paul H. Wirsching, EM3:June 71:605:8183

Yao, Kuan M.
Nonuniform Flow in Flat Rectangular Channels, HY9:Sept 71:1343:8369
Dsc, HY8:Aug 70:1748:7439, of "Water Hammer Analysis", HY6:Nov 69:1959:6899
Dsc, SA4:Aug 70:997:7441, of "Filtration Through a Trimedia Filter", SA3:June 68:521:6014
Dsc, SA5:Oct 70:1289:7569, of "Role of Activated Sludge Final Settling Tanks", SA2:Apr 70:423:7231
Dsc, SA2:Apr 71:242:8013, of "Aerator Performance in Natural Streams", SA5:Oct 70:1099:7601

Yaron, Dan
Estimation and Use of Water Production Functions in Crops, IR2:June 71:291:8208

Yearke, Lawrence W.
River Erosion Due to Channel Relocation, CE:Aug 71:39

Yeh, Hsiang-Yueh
See James T.P. Yao, ST12:Dec 69:2611:6939

Yeh, William Wen-Gong
Nonsteady Flow to Surface Reservoir, HY3:Mar 70: 609:7137
Dsc: Bruce W. Hunt, HY7:July 70:1663:7384; David T. Higgins, HY12:Dec 70:2642:7711
Clo: HY9:Sept 71:1520:8345
TR:136:958
See Arthur J. Askew, SA3:June 70:854:7313
See Ricardo C. Harboe, HY11:Nov 70:2297:7673
See William J. Trott, Preprint No.1526, Oct 71

Yen, Ben Chie
Dynamic Equations for Steady Spatially Varied Flow, with Harry G. Wenzel, Jr., HY3:Mar 70:801:7179
Dsc: Andre Van der Beken, HY12:Dec 70:2661: 7711
Clo: HY7:July 71:1137:8223
TR:136:1053
Risks in Hydrologic Design of Engineering Projects, HY4:Apr 70:959:7229
Dsc: Emmett M. Laursen, HY9:Sept 70:1923: 7497; Triyugi Prasad, HY1:Jan 71:201:7783; Rezaul Karim Bhuiya, HY2:Feb 71:360:7863
Clo: HY9:Sept 71:1525:8345
TR:136:1096
Dsc, HY2:Feb 71:368:7863, of "Real Time Routing of Flood Hydrographs in Storm Sewers", HY6:June 70:1247:7327
Dsc, HY4:Apr 71:622:8012, of "Sediment Transportation Mechanics: J. Transportation of Sediment in Pipes, Task Committee on Preparation of Sedimentation Manual", HY7:July 70:1503:7423
See Chin-lien Yen, HY2:Feb 71:303:7928

Yen, Ben T.
See Manfred A. Hirt, ST7:July 71:1897:8238

Yen, Chin-lien
Bed Topography Effect on Flow in a Meander, HY1: Jan 70:57:7003
Dsc: G. Desaulniers and Marcel Frenette, HY11: Nov 70:2380:7641
Clo: HY6:June 71:859:8155
TR:136:535
Effects of Viscous Sublayer on Dispersion, SA6:Dec 69:1105:6971
Errata: SA3:June 71:377:8157
TR:136:568
Water Surface Configuration in Channel Bends, with Ben Chie Yen, HY2:Feb 71:303:7928

Yen, Yin-Chao
Impact of Spheres on Ice, with Fuat Odar and Lynwood R. Bracy, EM5:Oct 70:641:7607
Dsc: William G. Wood, EM4:Aug 71:1293:8266

Yenney, Mark W.
See Thomas L. Theis, SA4:Aug 70:1004:7441

Yokel, Felix Y.
Stability and Load Capacity of Members with No Tensile Strength, ST7:July 71:1913:8253
Strength of Load-Bearing Masonry Walls, with Robert D. Dikkers, ST5:May 71:1593:8143

Yong, Raymond N.
Yield and Failure of a Clay Under Triaxial Stresses, with Edward McKyes, SM1:Jan 71:159:7790

XUM

Yoon, Yong Nam
Mechanics of Sheet Flow Under Simulated Rainfall, with Harry G. Wenzel, Jr., HY9:Sept 71:1367:8373

York, Donald L.
Session II: Densification after Placement (Preloading), PISST:pp.5-7, 1971

Yoshida, D. M.
Response of Beams and Plates to Moving Loads, with William Weaver, Jr., Preprint No.1366, Apr 71

Yoshida, Noriaki
See John W. Fisher, ST9:Sept 70:1903:7534

Yoshimura, Torazo
See Itio Hirai, EM6:Dec 70:1081:7728

Youd, T. Leslie
Isorrego Mountain Earthquake of April 8, 1968, with Robert O. Castle, SM4:July 70:1201:7396
Errata: SM5:May 71:801:8083
TR:136:984
Densification and Shear of Sand During Vibration, SM3:May 70:863:7272
Errata: SM3:Mar 71:584:7943
TR:136:944

Young, Arthur E.
Topics Experience of a Consulting Engineering Firm, Preprint No.1467, July 71

Young, Ernest F.
Dsc, SA5:Oct 71:798:8409, of "Least Cost Sand Design for Iron Removal", SA2:Apr 71:171:8060

Young, George K.
Decision Criteria for Using Stochastic Hydrology, with Gerald T. Orlob and Larry A. Roesner, HY4:Apr 70:911:7209
Dsc: Delbert D. Franz, HY9:Sept 70:1922:7497; John A. Cole, HY4:Apr 71:583:8012
TR:136:1035
Design Sensitivity of Pollution Control Reservoirs, with R. W. Schrecongost and W. N. Fitch, SA5:Oct 68:829:6147
TR:136:665

Young, George K., Jr.
See John R. Stipp, TN: HY1:Jan 71:219:7824

Young, John L.
See David A. Alley, CE:Sept 71:88

Young, Myron H.
See Choule J. Sonu, 12CEC:pp.1341-1363, 1971

Young, Robert A.
Safe Yield of Aquifers: An Economic Reformulation, IR4:Dec 70:377:7719
Dsc: John Logan, IR3:Sept 71:536:8346; John F. Mann, Jr., IR4:Dec 71:646:8553; Frederick L. Hotes, IR4:Dec 71:648:8553
See William E. Martin, IR4:Dec 69:611:6930

Young, Robert N.
Evaluating Transportation Systems, with William C. Ockert and Charles E. Pixton, TE2:May 71:347:8131

Young, Rodger O.
See Edward A. Cecil, Preprint No.1540, Oct 71

Younger, J. Scott
See William M. Kirkpatrick, SM5:Sept 70:1683:7504

Youngerman, John M.
Dsc, CE:June 70:44, on Civil Engineering Today: A Profession in Crisis-Part II, CE:Feb 70:51

Ytterberg, R. F.
Wear Resistant Industrial Floors of Portland-Cement Concrete, CE:Jan 71:68

Yu, Ching K.
Significance and Application of Stub Column Test Results, with Lambert Tall, ST7:July 71:1841:8231

Yu, Jason C.
STOL Passenger Demand in Underdeveloped Areas, TE3:Aug 71:475:8298

Yu, Shaw L.
Aerator Performance in Natural Streams, SA5:Oct 70:1099:7601
Dsc: Kuan M. Yao, SA2:Apr 71:242:8013
Clo: SA6:Dec 71:937:8555
See William Whipple, Jr., SA5:Oct 70:1153:7631
See William Whipple, Jr., SA6:Dec 71:883:8601

Yu, Wei-Wen
Dsc, ST12:Dec 70:2675:7714, of "Rational Design of Light Gage Beams", ST7:July 70:1535:7421

Yu, Yun-Sheng
Onset of Instability Of Power-Law Fluid in Couette Flow, with Dan B. McVickar, EM1:Feb 71:1:7887

Yuan, Sheldon S.W.
See Walter B. Sinnott, TE3:Aug 71:459:8312

Yucel, Oner
See Millard P. Robinson, Jr., HY3:Mar 71:468:7940

Yura, Joseph A.
Ultimate Load Tests on Braced Multistory Frames, with Le-Wu Lu, ST10:Oct 69:2243:6840
TR:136:307
Dsc, STA1:Jan 70:162:6990, of "Deformations of Geometrically Imperfect Beams", ST7:July 69:1475:6682

Zaghlool, E. Ramzy F.
Tests of Reinforced Concrete Flat Plate Floors, with H A. Rawdon de Paiva and Peter G Glockner, ST3:Mar 70:487:7147
TR:136:612

Zagustin, Konstantin
Turbulent Flow Over Moving Boundary, with En Yun Hsu and Robert L. Street, WW4:Nov 68:397:6210
TR:136:626

Zahn, John J.
Residual Stresses in Curved Laminated Wood Beams, ST12:Dec 69:2873:6977
Dsc: Takeyuki Katow, ST8:Aug 70:1846:7442; Max Steinhaus, ST9:Sept 70:1978:7567
Clo: ST4:Apr 71:1353:8015
TR:136:475

Zakin, Jacques L.
See Michael Poreh, HY4:Apr 70:903:7208

Zamost, Gerald
Post Lateral Buckling Behavior of Beams, with E. Russell Johnston, Jr., EM4:Aug 71:1133:8313
Dsc, EM3:June 69:795:6580, of "A Numerical Technique for Elastica Problems", EM5:Oct 68:1159:6182

Zampaglione, Domenico
Dsc, HY8:Aug 70:1738:7439, of "Nonlinear Flow in Porous Media", HY6:Nov 69:1847:6883

Zanobetti, Dino
Mekong Delta Mathematical Model Program Construction, with Henri Lorgere, Alexandre Preissmann and Jean Andre Cunge, WW2:May 70:181:7259
TR:136:1171

Zarghamee, Mehdi S.
Analysis of Structures by Quadratic Programming, EM5:Oct 71:1495:8431

Mathematical Model For Water Distribution Systems, HY1:Jan 71:1:7797
Dsc: Edward S. Webber, HY10:Oct 71:1787:8407
Minimum Weight Design with Stability Constraint, ST8:Aug 70:1697:7486
TR:136:1268

Zavitzianos, Demetri
New Microwave Tower Design Reduces Drag, CE: Mar 71:46
Dsc: Donald W. Rose, CE:July 71:66

Zell, Charles E.
Dsc, UP1:Apr 71:119:8016, of "Community Decision Structure and Urban Planning Process", UP1:Mar 70:17:7126

Zeller, Robert W.
Heated Surface Jets in a Steady Crosscurrent, with John A. Hoopes and Gerard A. Rohlich, HY9:Sept 71:1403:8385

Zeman, Robert Lewis
Improvement of Land Titles, SU1:May 71:113:8132

Zerbe, Tony R.
See Jan D. Achenbach, EM3:June 71:619:8181

Zetlin, Lev
Cost-cutting Techniques for Rapid Transit Structures, with Richard L. Tomasetti, 1971

Zia, Paul
What Do We Know About Torsion in Concrete Members, ST6:June 70:1185:7372
Dsc: K. S. Rajagopalan, ST10:Oct 70:2253:7570; Ganpat S. Pandit, ST2:Feb 71:735:7867; Lennart Elfgren, Inge Karlsson and Anders Losberg, ST3:Mar 71:995:7944; Umakanta Behera, ST3:Mar 71:996:7944
Clo: ST11:Nov 71:2754:8485
TR:136:1313
See William J. Wilhelm, ST10:Oct 70:2103:7614
See Jehangir F. Mirza, ST2:Feb 71:737:7867
See David W. Johnston, ST5:May 71:1611:8147

Zielke, Werner
Dsc, with Gerd Rosl, HY7:July 71:1141:8223, of "Resonance in Pressurized Piping Systems", HY9: Sept 70:1819:7525

Zienkiewicz, Olgierd C.
Dsc, with Chandrakant J. Parekh, ST8:Aug 70:1838: 7442, of "Analysis of Three Dimensional Thin-Walled Structures", ST12:Dec 69:2863:6968

Zimmie, Thomas F.
See Rein Laak, SA2:Apr 70:634:7190

Zobel, E. S.
Dsc, PO1:Jan 71:234:7784, of "Tower Designs for AEP 765-KU Project", PO2:Oct 69:305:6855

Zolkov, Elias
Dsc, SM9:Sept 71:1349:8347, of "Aging Effects on Swell Potential of Compacted Clays", SM3:Mar 71: 529:7951
Dsc, CE:Dec 71:47, on Rapid Determination of Plasticity Index, CE:May 71:74

Zollman, Donald M.
See Alfred T. Wallace, SA3:June 71:257:8167

Zovne, Jerome J.
See C. Samuel Martin, HY7:July 71:993:8234

Zsak, Edwin
Manifold Flow in Subirrigation Pipes, HY10:Oct 71: 1737:8477

Zunz, Gerd J.
See O. N. Arup, CE:Dec 71:50

Zwahlen, R.
See Bernhard E. Gilg, ST6:June 71:1824:8159

Zwamborn, J. A.
Ocean Wave Research in Southern Africa, with C. van Schaik and A. Harper, 12CEC:pp.13-31, 1971
Underwater Mound for the Protection of Durban's Beaches, with G. A. W. Fromme and J. B. FitzPatrick, 12CEC:pp.975-994, 1971

Zweben, Carl
Dsc, CE:Sept 71:54, on Four Freeway Fallacies, San Francisco Section, ASCE Highway Technical Division Task Force, CE:Mar 71:72

XUM

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